

purePDF API

This document has been generated automatically using purepdf (Version 0.9.20100201) with actionsript reflection methods

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The Original Code is 'iText, a free JAVA-PDF library' (version 4.2) by Bruno Lowagie. All the Actionsript ported code and all the modifications to the original java library are written by Alessandro Crugnola (alessandro@sEPHIRoTH.it)

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If you didn't download this code from the following link, you should check if you aren't using an obsolete version: <http://code.google.com/p/purepdf>

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1. Markup

In package:org.purepdf.html

Extends:ObjectHash, Object

Implemented interfaces:IObject

See online:[Markup.as](#)

1.1. Public constants

- CSS_KEY_PADDING: String
- CSS_VALUE_NORMAL: String
- CSS_KEY_VISIBILITY: String
- CSS_KEY_PADDINGLEFT: String
- CSS_VALUE_BOLD: String
- CSS_VALUE_ALWAYS: String
- HTML_ATTR_CSS_ID: String
- CSS_VALUE_ITALIC: String
- CSS_VALUE_BLOCK: String
- HTML_VALUE_JAVASCRIPT: String
- CSS_VALUE_OBLIQUE: String
- CSS_VALUE_HIDDEN: String
- CSS_VALUE_UNDERLINE: String
- CSS_KEY_PADDINGRIGHT: String
- HTML_VALUE_CSS: String
- CSS_VALUE_LINETHROUGH: String
- CSS_KEY_PADDINGTOP: String
- CSS_KEY_PADDINGBOTTOM: String
- CSS_KEY_BGCOLOR: String
- CSS_VALUE_INLINE: String
- CSS_KEY_BORDERCOLOR: String
- CSS_KEY_COLOR: String
- CSS_VALUE_LISTITEM: String
- CSS_KEY_DISPLAY: String
- CSS_VALUE_NONE: String
- CSS_KEY_FONTFAMILY: String
- CSS_KEY_BORDERWIDTH: String
- CSS_KEY_BORDERWIDTHLEFT: String
- CSS_VALUE_TABLEROW: String
- CSS_KEY_FONTSIZE: String
- CSS_VALUE_TABLE: String
- CSS_KEY_BORDERWIDTHRIGHT: String
- HTML_TAG_BODY: String
- CSS_VALUE_TABLECELL: String
- HTML_TAG_DIV: String
- CSS_VALUE_TEXTALIGNRIGHT: String

- CSS_KEY_FONTSTYLE: String
- HTML_TAG_LINK: String
- HTML_TAG_SPAN: String
- CSS_KEY_FONTWEIGHT: String
- HTML_ATTR_HEIGHT: String
- CSS_VALUE_TEXTALIGNJUSTIFY: String
- HTML_ATTR_HREF: String
- CSS_KEY_LINEHEIGHT: String
- CSS_KEY_MARGIN: String
- HTML_ATTR_REL: String
- CSS_KEY_PAGE_BREAK_AFTER: String
- CSS_KEY_BORDERWIDTHBOTTOM: String
- CSS_KEY_BORDERWIDHTOP: String
- CSS_KEY_MARGINLEFT: String
- HTML_ATTR_STYLE: String
- CSS_KEY_PAGE_BREAK_BEFORE: String
- HTML_ATTR_TYPE: String
- CSS_VALUE_TEXTALIGNCENTER: String
- CSS_KEY_MARGINRIGHT: String
- HTML_ATTR_STYLESHEET: String
- CSS_VALUE_TEXTALIGNLEFT: String
- CSS_KEY_TEXTALIGN: String
- CSS_KEY_VERTICALALIGN: String
- DEFAULT_FONT_SIZE: Number
- CSS_KEY_MARGINTOP: String
- HTML_ATTR_WIDTH: String
- CSS_KEY_TEXTDECORATION: String
- HTML_ATTR_CSS_CLASS: String
- CSS_KEY_MARGINBOTTOM: String

1.2. Static methods

- `parseLength2(String, Number)` Number
- `parseLength1(String)` Number

1.3. Public methods

- `equals(Object)` Boolean
- `hashCode()` int

2. CJKFontResourceFactory

In package:org.purepdf.pdf.fonts.cmaps

Extends:Object

See online:[CJKFontResourceFactory.as](http://code.google.com/p/purepdf/wiki/CJKFontResourceFactory)

2.1. Constructor

- CJKFontResourceFactory(*)

2.2. Static methods

- getInstance() CJKFontResourceFactory

2.3. Public methods

- getProperty(String) IProperties
- registerProperty(String, IProperties) void

3. CMapResourceFactory

In package:org.purepdf.pdf.fonts.cmaps

Extends:Object

See online:[CMapResourceFactory.as](http://code.google.com/p/purepdf/wiki/CMapResourceFactory)

3.1. Constructor

- CMapResourceFactory(*)

3.2. Static methods

- getInstance() CMapResourceFactory

3.3. Public methods

- getCMap(String) ICMMap
- registerCMap(String, ICMMap) void

4. PatternColor

In package:org.purepdf.colors

Extends:ExtendedColor, RGBColor, ObjectHash, Object

Implemented interfaces:LObject

See online:[PatternColor.as](http://code.google.com/p/purepdf/wiki/PatternColor.as)

4.1. Public properties

- painter [readonly] PdfPatternPainter
- type [readonly] int
- alpha [readonly] int
- rgb [readonly] int
- green [readonly] int
- red [readonly] int
- blue [readonly] int

4.2. Constructor

- PatternColor(*)

4.3. Public methods

- hashCode() int
- equals(Object) Boolean
- validate(int) void
- darker() RGBColor
- setValue(int, int, int, int) void

5. ChunkEvent

In package:org.purepdf.events

Extends:Event, Object

See online:[ChunkEvent.as](http://code.google.com/p/purepdf/wiki/ChunkEvent.as)

5.1. Public constants

- GENERIC_TAG: String

5.2. Public properties

- rect [readonly] RectangleElement
- tag [readonly] String
- eventPhase [readonly] uint

- `currentTarget` [readonly] Object
- `type` [readonly] String
- `bubbles` [readonly] Boolean
- `target` [readonly] Object
- `cancelable` [readonly] Boolean

5.3. Constructor

- `ChunkEvent(*, *, *)`

5.4. Public methods

- `clone()` Event
- `formatToString(String)` String
- `stopImmediatePropagation()` void
- `isDefaultPrevented()` Boolean
- `toString()` String
- `stopPropagation()` void
- `preventDefault()` void

6. PdfStream

In package:org.purepdf.pdf

Extends:PdfDictionary, PdfObject, ObjectHash, Object

Implemented interfaces:IObject

See online:[PdfStream.as](http://code.google.com/p/purepdf/wiki/PdfStream)

6.1. Public constants

- `NO_COMPRESSION`: int
- `BEST_COMPRESSION`: int

6.2. Public properties

- `size` [readonly] int

6.3. Constructor

- `PdfStream(*)`

6.4. Public methods

- `toString()` String
- `toPdf(PdfWriter, OutputStream)` void

- flateCompress(int) void
- getRawLength() int
- merge(PdfDictionary) void
- getValue(PdfName) PdfObject
- mergeDifferent(PdfDictionary) void
- getAsDict(PdfName) PdfDictionary
- remove(PdfName) void
- putAll(PdfDictionary) void
- getKeys() KeySet
- getDirectObject(PdfName) PdfObject
- contains(PdfName) Boolean
- put(PdfName, PdfObject) void
- isString() Boolean
- isDictionary() Boolean
- isIndirect() Boolean
- getIndRef() PRTIndirectReference
- getBytes() Bytes
- isNumber() Boolean
- isBoolean() Boolean
- getType() int
- isName() Boolean
- isNull() Boolean
- canBeInObjStm() Boolean
- isArray() Boolean
- equals(Object) Boolean
- hashCode() int

7. PdfLine

In package:org.purepdf.pdf

Extends:ObjectHash, Object

Implemented interfaces:IObject

See online:[PdfLine.as](#)

7.1. Public properties

- right [readonly] Number
- widthLeft [readonly] Number
- size [readonly] int
- indentLeft [readonly] Number
- originalWidth [readonly] Number
- listItem [writeonly] ListItem
- ascender [readonly] Number
- lastStrokeChunk [readonly] int

- isRTL [readonly] Boolean
- descender [readonly] Number
- alignment [readonly] int
- isNewlineSplit [readonly] Boolean
- lengthUtf32 [readonly] int
- left [readonly] Number
- listIndent [readonly] Number
- hasToBeJustified [readonly] Boolean
- height [readonly] Number
- listSymbol [readonly] Chunk

7.2. Constructor

- PdfLine(Number, Number, int, Number)

7.3. Static methods

- create(Number, Number, Number, int, Boolean, Vector.<org.purepdf.pdf::PdfChunk>, Boolean)
PdfLine

7.4. Public methods

- getMaxSize() Vector.<Number>
- toString() String
- resetAlignment() void
- iterator() Iterator
- getChunk(int) PdfChunk
- equals(Object) Boolean
- hashCode() int

8. CMap

In package:org.purepdf.resources

Extends:Object

Implemented interfaces:ICMap

See online:[CMap.as](#)

8.1. Public properties

- chars [readonly] Vector.<int>

8.2. Constructor

- CMap(*)

8.3. Public methods

- load(ByteArray) void

9. GlyphList

In package:org.purepdf.pdf.fonts

Extends:ObjectHash, Object

Implemented interfaces:IObject

See online:[GlyphList.as](http://code.google.com/p/purepdf/wiki/GlyphList.as)

9.1. Static methods

- unicode2name(int) String
- name2unicode(String) Vector.<int>

9.2. Public methods

- equals(Object) Boolean
- hashCode() int

10. PdfPRow

In package:org.purepdf.pdf

Extends:Object

See online:[PdfPRow.as](http://code.google.com/p/purepdf/wiki/PdfPRow.as)

10.1. Public constants

- BOTTOM_LIMIT: Number
- RIGHT_LIMIT: Number

10.2. Public properties

- calculated [readonly] Boolean
- maxHeight [readwrite] Number
- cells [readonly] Vector.<org.purepdf.pdf::PdfPCell>

10.3. Static methods

- fromCells(Vector.<org.purepdf.pdf::PdfCell>) PdfPRow
- setColumn(ColumnText, Number, Number, Number, Number) Number
- fromRow(PdfPRow) PdfPRow

10.4. Public methods

- initExtraHeights() void
- setWidths(Vector.<Number>) Boolean
- setExtraHeight(int, Number) void
- splitRow(PdfPTable, int, Number) PdfPRow
- writeBorderAndBackground(Number, Number, Number, PdfPCell, Vector.<org.purepdf.pdf::PdfContentByte>) void
- calculateHeights() Number
- writeCells(int, int, Number, Number, Vector.<org.purepdf.pdf::PdfContentByte>) void

11. PdfPCellEventForwarder

In package:org.purepdf.pdf.events

Extends:Object

Implemented interfaces:IPdfPCellEvent

See online:[PdfPCellEventForwarder.as](http://code.google.com/p/purepdf/wiki/PdfPCellEventForwarder)

11.1. Public methods

- cellLayout(PdfPCell, RectangleElement, Vector.<org.purepdf.pdf::PdfContentByte>) void
- addCellEvent(IPdfPCellEvent) void

12. Chunk

In package:org.purepdf.elements

Extends:Object

Implemented interfaces:IElement

See online:[Chunk.as](http://code.google.com/p/purepdf/wiki/Chunk)

12.1. Public constants

- CHAR_SPACING: String
- TEXTRENDERMODE: String
- NEWLINE: Chunk
- SUBSUPSCRIPT: String
- OBJECT_REPLACEMENT_CHARACTER: String

- COLOR: String
- BACKGROUND: String
- LOCALDESTINATION: String
- UNDERLINE: String
- ENCODING: String
- IMAGE: String
- GENERICTAG: String
- NEWPAGE: String
- SPLITCHARACTER: String
- PDFANNOTATION: String
- TAB: String
- ACTION: String
- SKEW: String
- HYPHENATION: String
- HSCALE: String
- REMOTEGOTO: String
- SEPARATOR: String
- LOCALGOTO: String

12.2. Public properties

- content [readonly] String
- type [readonly] int
- isNestable [readonly] Boolean
- isContent [readonly] Boolean
- font [readwrite] Font
- attributes [readwrite] HashMap
- hasAttributes [readonly] Boolean
- isEmpty [readonly] Boolean

12.3. Constructor

- Chunk(String, Font)

12.4. Static methods

- fromImage(ImageElement, Number, Number) Chunk

12.5. Public methods

- setGenericTag(String) Chunk
- setAnnotation(PdfAnnotation) Chunk
- getChunks() Vector.<Object>
- setBackground(RGBColor, Number, Number, Number, Number) Chunk
- setSplitCharacter(ISplitCharacter) Chunk
- setTextRenderMode(int, Number, RGBColor) Chunk
- setHorizontalScaling(Number) Chunk
- setLocalGoto(String) Chunk
- setNewPage() Chunk

- `setAnchor(String)` Chunk
- `setTextRise(Number)` Chunk
- `getImage()` ImageElement
- `toString()` String
- `getWidthPoint()` Number
- `process(IElementListener)` Boolean
- `getHorizontalScaling()` Number
- `setAction(PdfAction)` Chunk
- `setAttribute(String, Object)` Chunk
- `append(String)` String
- `setSkew(Number, Number)` Chunk
- `setUnderline(RGBColor, Number, Number, Number, Number, int)` Chunk
- `getTextRise()` Number
- `setLocalDestination(String)` Chunk

13. ImageElement

In package:org.purepdf.elements.images

Extends:RectangleElement, Object

Implemented interfaces:IElement

See online:ImageElement.as

13.1. Public constants

- ORIGINAL_JBIG2: int
- MIDDLE: int
- ORIGINAL_JPEG: int
- CCITTG3_1D: int
- UNDERLYING: int
- ORIGINAL_NONE: int
- CCITT_ENDOFFLINE: int
- ORIGINAL_BMP: int
- CX: int
- ORIGINAL_WMF: int
- RIGHT: int
- DX: int
- LEFT: int
- CY: int
- CCITT_ENCODEDBYTEALIGN: int
- CCITTG4: int
- ORIGINAL_TIFF: int
- DY: int
- ORIGINAL_GIF: int

- BX: int
- CCITTG3_2D: int
- ORIGINAL_PS: int
- ORIGINAL_PNG: int
- AX: int
- TEXTWRAP: int
- AY: int
- CCITT_ENDOFBLOCK: int
- ORIGINAL_JPEG2000: int
- DEFAULT: int
- BY: int
- CCITT_BLACKIS1: int

13.2. Public properties

- deflated [readwrite] Boolean
- matrix [readonly] Vector.<Number>
- hasAbsoluteY [readonly] Boolean
- colorspace [readonly] int
- isInverted [readwrite] Boolean
- scaledHeight [readonly] Number
- alignment [readwrite] int
- annotation [readwrite] Annotation
- absoluteX [readonly] Number
- hasAbsoluteX [readonly] Boolean
- type [readonly] int
- templateData [readwrite] PdfTemplate
- spacingAfter [readwrite] Number
- originalType [readwrite] int
- widthPercentage [readonly] Number
- transparency [readwrite] Vector.<int>
- originalData [readwrite] ByteArray
- absoluteY [readonly] Number
- indentationRight [readonly] Number
- indentationLeft [readonly] Number
- additional [readwrite] PdfDictionary
- imageMask [readwrite] ImageElement
- layer [readonly] IPdfOCG
- spacingBefore [readwrite] Number
- scaledWidth [readonly] Number
- isImgRaw [readonly] Boolean
- isMask [readonly] Boolean
- compressionLevel [readwrite] int
- xyRatio [readwrite] Number
- rawData [readonly] ByteArray
- isInterpolated [readonly] Boolean

- isImgTemplate [readonly] Boolean
- imageRotation [readonly] Number
- isSmask [readonly] Boolean
- bpc [readonly] int
- mySerialId [readonly] Number
- url [readwrite] String
- directReference [readonly] PdfIndirectReference
- borderWidthBottom [readwrite] Number
- borderWidthLeft [readwrite] Number
- borderColorLeft [readwrite] RGBColor
- borderColorRight [readwrite] RGBColor
- borderColorTop [readwrite] RGBColor
- isNestable [readonly] Boolean
- borderColor [readwrite] RGBColor
- borderColorBottom [readwrite] RGBColor
- borderSides [writeonly] int
- isContent [readonly] Boolean
- height [readonly] Number
- grayFill [readwrite] Number
- useVariableBorders [readonly] Boolean
- width [readonly] Number
- border [readwrite] int
- borderWidth [readwrite] Number
- backgroundColor [readwrite] RGBColor
- rotation [readonly] int
- borderWidthTop [readwrite] Number
- borderWidthRight [readwrite] Number

13.3. Constructor

- ImageElement(*)

13.4. Static methods

- getRawInstance(int, int, int, int, ByteArray, Vector.<int>) ImageElement
- getInstance(ByteArray) ImageElement
- getTemplateInstance(PdfTemplate) ImageElement
- getImageInstance(ImageElement) ImageElement
- getBitmapDataInstance(BitmapData) ImageElement
- getCCITTInstance(int, int, Boolean, int, int, Bytes, Vector.<int>) ImageElement

13.5. Public methods

- setDpi(int, int) void
- scaleAbsolute(Number, Number) void
- setRotationDegrees(Number) void
- setAbsolutePosition(Number, Number) void
- setWidthPercentage(Number) void
- scaleAbsoluteWidth(Number) void
- makeMask() void
- scaleToFit(Number, Number) void
- setRotation(Number) void
- scalePercent(Number, Number) void
- initFromImageElement(ImageElement) void
- scaleAbsoluteHeight(Number) void
- hasBorder(int) Boolean
- rectangle(Number, Number) RectangleElement
- getChunks() Vector.<Object>
- rotate() RectangleElement
- hasBorders() Boolean
- toString() String
- getTop(Number) Number
- setTop(Number) void
- getLeft(Number) Number
- getBottom(Number) Number
- disableBorderSide(int) void
- setBottom(Number) void
- enableBorderSide(int) void
- setRight(Number) void
- softCloneNonPositionParameters(RectangleElement) void
- normalize() void
- getRight(Number) Number
- setLeft(Number) void
- cloneNonPositionParameters(RectangleElement) void
- process(IElementListener) Boolean

14. BarcodePDF417

In package:org.purepdf.pdf.barcode.pdf417

Extends:Object

See online:BarcodePDF417.as

14.1. Public constants

- PDF417_USE_RAW_CODEWORDS: int
- PDF417_USE_ASPECT_RATIO: int
- PDF417_FORCE_BINARY: int

- PDF417_INVERT_BITMAP: int
- PDF417_USE_ERROR_LEVEL: int
- PDF417_FIXED_RECTANGLE: int
- PDF417_AUTO_ERROR_LEVEL: int
- PDF417_FIXED_COLUMNS: int
- PDF417_FIXED_ROWS: int
- PDF417_USE_MACRO: int

14.2. Public properties

- aspectRatio [readwrite] Number
- options [readwrite] int
- yHeight [readonly] Number
- text [writeonly] String

14.3. Public methods

- paintCode() void
- setDefaultParameters() void
- getImage() ImageElement

15. PngImage

In package:org.purepdf.pdf.codec

Extends:Object

See online:PngImage.as

15.1. Public constants

- IHDR: String
- PNGID: Vector.<int>
- sRGB: String
- iCCP: String
- pHYS: String
- IDAT: String
- cHRM: String
- tRNS: String
- PLTE: String
- gAMA: String
- IEND: String

15.2. Constructor

- PngImage(*)

15.3. Static methods

- getInt(ByteArrayInputStream) int
- getString(ByteArrayInputStream) String
- getImage(ByteArray) ImageElement
- getWord(ByteArrayInputStream) int

16. PdfPattern

In package:org.purepdf.pdf

Extends:PdfStream, PdfDictionary, PdfObject, ObjectHash, Object

Implemented interfaces:IObject

See online:PdfPattern.as

16.1. Public properties

- size [readonly] int

16.2. Constructor

- PdfPattern(*, *)

16.3. Public methods

- toString() String
- toPdf(PdfWriter, IOutputStream) void
- flateCompress(int) void
- getRawLength() int
- merge(PdfDictionary) void
- getValue(PdfName) PdfObject
- mergeDifferent(PdfDictionary) void
- getAsDict(PdfName) PdfDictionary
- remove(PdfName) void
- putAll(PdfDictionary) void
- getKeys() KeySet
- getDirectObject(PdfName) PdfObject
- contains(PdfName) Boolean
- put(PdfName, PdfObject) void
- isString() Boolean
- isDictionary() Boolean
- isIndirect() Boolean
- getIndRef() PRIndirectReference
- getBytes() Bytes
- isNumber() Boolean

- isBoolean() Boolean
- getType() int
- isName() Boolean
- isNull() Boolean
- canBelInObjStm() Boolean
- isArray() Boolean
- equals(Object) Boolean
- hashCode() int

17. ChapterEvent

In package:org.purepdf.events

Extends:Event, Object

See online:[ChapterEvent.as](#)

17.1. Public constants

- CHAPTER_START: String
- CHAPTER_END: String

17.2. Public properties

- title [readonly] Paragraph
- position [readonly] Number
- eventPhase [readonly] uint
- currentTarget [readonly] Object
- type [readonly] String
- bubbles [readonly] Boolean
- target [readonly] Object
- cancelable [readonly] Boolean

17.3. Constructor

- ChapterEvent(*, *, *)

17.4. Public methods

- clone() Event
- formatToString(String) String
- stopImmediatePropagation() void
- isDefaultPrevented() Boolean
- toString() String
- stopPropagation() void
- preventDefault() void

18. PdfFunction

In package:org.purepdf.pdf

Extends:ObjectHash, Object

Implemented interfaces:IObject

See online:[PdfFunction.as](#)

18.1. Public properties

- `reference` [readonly] PdfIndirectReference

18.2. Constructor

- PdfFunction(*)

18.3. Static methods

- `type2`(PdfWriter, Vector.<Number>, Vector.<Number>, Vector.<Number>, Vector.<Number>, Number) PdfFunction
- `type3`(PdfWriter, Vector.<Number>, Vector.<Number>, Vector.<org.purepdf.pdf::PdfFunction>, Vector.<Number>, Vector.<Number>) PdfFunction

18.4. Public methods

- `equals`(Object) Boolean
- `hashCode`() int

19. PIndirectReference

In package:org.purepdf.pdf

Extends:PIndirectReference, PdfObject, ObjectHash, Object

Implemented interfaces:IObject

See online:[PIndirectReference.as](#)

19.1. Public properties

- `reader` [readonly] PdfReader
- `generation` [readonly] int
- `number` [readonly] int

19.2. Constructor

- `PRIndirectReference(*, *, *)`

19.3. Public methods

- `toString()` String
- `isString()` Boolean
- `isDictionary()` Boolean
- `isIndirect()` Boolean
- `toPdf(PdfWriter, OutputStream)` void
- `getIndRef()` `PRIndirectReference`
- `getBytes()` Bytes
- `isNumber()` Boolean
- `isBoolean()` Boolean
- `getType()` int
- `isName()` Boolean
- `isNull()` Boolean
- `canBelInObjStm()` Boolean
- `isArray()` Boolean
- `equals(Object)` Boolean
- `hashCode()` int

20. OutputStream

In package:org.purepdf.pdf.interfaces

See online:[OutputStream.as](#)

20.1. Public methods

- `writeBytes(Bytes, int, int)` void
- `writeInt(int)` void
- `writeByteArray(ByteArray, int, int)` void

21. ByteArrayUtils

In package:org.purepdf.utils

Extends:Object

See online:[ByteArrayUtils.as](#)

21.1. Static methods

- readChar(ByteArray) int
- toVector(ByteArray, uint, uint) Vector.<int>
- clone(ByteArray, int, int) ByteArray

22. PdfPTable

In package:org.purepdf.pdf

Extends:Object

Implemented interfaces:IElement, ILargeElement

See online:[PdfPTable.as](http://code.google.com/p/purepdf/wiki/PdfPTable)

22.1. Public constants

- BASECANVAS: int
- TEXTCANVAS: int
- BACKGROUNDCANVAS: int
- LINECANVAS: int

22.2. Public properties

- rows [writeonly] Vector.<org.purepdf.pdf::PdfPRow>
- keepTogether [readwrite] Boolean
- headerRows [readwrite] int
- skipLastFooter [readwrite] Boolean
- RunDirection [writeonly] int
- headersInEvent [readwrite] Boolean
- totalWidth [readwrite] Number
- lockedWidth [readwrite] Boolean
- horizontalAlignment [readwrite] int
- size [readonly] int
- totalHeight [readonly] Number
- type [readonly] int
- runDirection [readonly] int
- spacingAfter [readwrite] Number
- widthPercentage [readwrite] Number
- isNestable [readonly] Boolean
- tableEvent [readwrite] IPdfPTableEvent
- absoluteWidths [readonly] Vector.<Number>
- defaultCell [readonly] PdfPCell
- isContent [readonly] Boolean
- spacingBefore [readwrite] Number
- columnsCount [readonly] int
- footerRows [readwrite] int

- extendLastRow [readwrite] Boolean
- headerHeight [readonly] Number
- footerHeight [readonly] Number
- skipFirstHeader [readwrite] Boolean
- splitRows [readwrite] Boolean
- splitLate [readwrite] Boolean
- rows [readonly] Vector.<org.purepdf.pdf::PdfPRow>
- complete [readwrite] Boolean

22.3. Constructor

- PdfPTable(*)

22.4. Static methods

- endWritingRows(Vector.<org.purepdf.pdf::PdfContentByte>) void
- shallowCopy(PdfPTable) PdfPTable
- beginWritingRows(PdfContentByte) Vector.<org.purepdf.pdf::PdfContentByte>

22.5. Public methods

- flushContent() void
- getRow(int) PdfPRow
- getRowHeight1(int, Boolean) Number
- addCell(PdfPCell) void
- setExtendLastRow(Boolean, Boolean) void
- setIntWidths(Vector.<int>) void
- calculateHeights(Boolean) Number
- getRows(int, int) Vector.<org.purepdf.pdf::PdfPRow>
- setTotalWidths(Vector.<Number>) void
- toString() String
- isExtendLastRow(Boolean) Boolean
- deleteRow(int) Boolean
- writeSelectedRows2(int, int, Number, Number, PdfContentByte) Number
- addImageCell(ImageElement) void
- addStringCell(String) void
- setWidthPercentageAndSize(Vector.<Number>, RectangleElement) void
- addTableCell(PdfPTable) void
- writeSelectedRows(int, int, Number, Number, Vector.<org.purepdf.pdf::PdfContentByte>) Number
- setNumberWidths(Vector.<Number>) void
- writeSelectedRows3(int, int, int, int, Number, Number, PdfContentByte) Number
- calculateHeightsFast() void
- process(IElementListener) Boolean
- deleteBodyRows() void
- completeRow() void

- getChunks() Vector.<Object>
- deleteLastRow() Boolean
- getRowspanHeight(int, int) Number
- getRowHeight(int) Number
- writeSelectedRows1(int, int, int, int, Number, Number, Vector.<org.purepdf.pdf::PdfContentByte>) Number
- addPhraseCell(Phrase) void

23. SimpleTable

In package:org.purepdf.elements

Extends:RectangleElement, Object

Implemented interfaces:ITextElementaryArray, IElement, IPdfPTableEvent

See online:SimpleTable.as

23.1. Public properties

- alignment [readwrite] int
- cellpadding [readwrite] Number
- cellspacing [readwrite] Number
- isNestable [readonly] Boolean
- type [readonly] int
- widthPercentage [readwrite] Number
- borderWidthBottom [readwrite] Number
- borderWidthLeft [readwrite] Number
- borderColorLeft [readwrite] RGBColor
- borderColorRight [readwrite] RGBColor
- borderColorTop [readwrite] RGBColor
- borderColor [readwrite] RGBColor
- borderColorBottom [readwrite] RGBColor
- borderSides [writeonly] int
- isContent [readonly] Boolean
- height [readonly] Number
- grayFill [readwrite] Number
- useVariableBorders [readonly] Boolean
- width [readonly] Number
- border [readwrite] int
- borderWidth [readwrite] Number
- backgroundColor [readwrite] RGBColor
- rotation [readonly] int
- borderWidthTop [readwrite] Number
- borderWidthRight [readwrite] Number

23.2. Public methods

- `add(Object)` Boolean
- `tableLayout(PdfPTable, Vector.<__AS3__vec::Vector.<Number>>, Vector.<Number>, int, int, Vector.<org.purepdf.pdf::PdfContentByte>) void`
- `createPdfPTable() PdfPTable`
- `addElement(SimpleCell) void`
- `hasBorder(int) Boolean`
- `rectangle(Number, Number) RectangleElement`
- `getChunks() Vector.<Object>`
- `rotate() RectangleElement`
- `hasBorders() Boolean`
- `toString() String`
- `getTop(Number) Number`
- `setTop(Number) void`
- `getLeft(Number) Number`
- `getBottom(Number) Number`
- `disableBorderSide(int) void`
- `setBottom(Number) void`
- `enableBorderSide(int) void`
- `setRight(Number) void`
- `softCloneNonPositionParameters(RectangleElement) void`
- `normalize() void`
- `getRight(Number) Number`
- `setLeft(Number) void`
- `cloneNonPositionParameters(RectangleElement) void`
- `process(IElementListener) Boolean`

24. TrueTypeFontUnicode

In package:org.purepdf.pdf.fonts

Extends:TrueTypeFont, BaseFont, ObjectHash, Object

Implemented interfaces:IObject

See online:[TrueTypeFontUnicode.as](http://code.google.com/p/purepdf/wiki/TrueTypeFontUnicode.as)

24.1. Public properties

- `subset` [readwrite] Boolean
- `fontType` [readonly] int
- `compressionLevel` [readwrite] int
- `encoding` [readonly] String
- `fontSpecific` [readwrite] Boolean

24.2. Public methods

- charExists(int) Boolean
- init(String, String, Boolean, Vector.<int>, Boolean, Boolean) void
- getMetricsTT(int) Vector.<int>
- hasKernPairs() Boolean
- setKerning(int, int, int) Boolean
- getFamilyFontName() Vector.<__AS3__.vec::Vector.<String>>
- getFontDescriptor(int, Number) Number
- getWidth(Object) int
- getWidthPoint(Object, Number) Number
- getCharBBox(int) Vector.<int>
- addSubsetTange(Vector.<int>) void
- getUnicodeDifferences(int) int
- getKerning(int, int) int
- getWidthPointKerned(String, Number) Number
- getUnicodeEquivalent(int) int
- getPostscriptFontName() String
- equals(Object) Boolean
- hashCode() int

25. IElementListener

In package:org.purepdf.elements

See online:[IElementListener.as](#)

25.1. Public methods

- addElement(IElement) Boolean

26. PdfVersion

In package:org.purepdf.pdf

Extends:ObjectHash, Object

Implemented interfaces:IObject

See online:[PdfVersion.as](#)

26.1. Public constants

- PDF_VERSION_1_6: PdfName
- PDF_VERSION_1_3: PdfName
- VERSION_1_6: String
- PDF_VERSION_1_7: PdfName
- PDF_VERSION_1_4: PdfName

- HEADER: Vector.<org.purepdf.utils::Bytes>
- VERSION_1_3: String
- VERSION_1_2: String
- PDF_VERSION_1_5: PdfName
- VERSION_1_5: String
- VERSION_1_4: String
- PDF_VERSION_1_2: PdfName
- VERSION_1_7: String

26.2. Public methods

- addToCatalog(PdfDictionary) void
- setPdfVersion(String) void
- getVersionAsName(String) PdfName
- writeHeader(OutputStreamCounter) void
- getVersionAsByteArray(String) Bytes
- equals(Object) Boolean
- hashCode() int

27. ILargeElement

In package:org.purepdf.elements

Implemented interfaces:IElement

See online:[ILargeElement.as](#)

27.1. Public properties

- complete [readwrite] Boolean

27.2. Public methods

- flushContent() void

28. ArabicLigaturizer

In package:org.purepdf.pdf

Extends:Object

See online:[ArabicLigaturizer.as](#)

28.1. Public constants

- DIGITS_AN2EN: int
- DIGITS_EN2AN_INIT_LR: int
- AR_LIG: int
- DIGITS_EN2AN_INIT_AL: int

- DIGIT_TYPE_AN: int
- DIGIT_TYPE_AN_EXTENDED: int
- AR_COMPOSEDTASHKEEL: int
- DIGITS_MASK: int
- DIGIT_TYPE_MASK: int
- AR_NOTHING: int
- DIGITS_EN2AN: int
- AR_NOVOWEL: int

28.2. Static methods

- processNumbers(Vector.<int>, int, int, int) void
- arabic_shape(Vector.<int>, int, int, Vector.<int>, int, int, int) int

29. GreekList

In package:org.purepdf.elements

Extends:List, Object

Implemented interfaces:ITextElementaryArray, IElement

See online:Greeklis.as

29.1. Public properties

- isEmpty [readonly] Boolean
- numbered [readwrite] Boolean
- indentationLeft [readwrite] Number
- first [readwrite] int
- size [readonly] uint
- items [readonly] Vector.<org.purepdf.elements::IElement>
- isContent [readonly] Boolean
- lowercase [readwrite] Boolean
- alignindent [readwrite] Boolean
- symbol [readwrite] Chunk
- type [readonly] int
- symbolIndent [readwrite] Number
- totalLeading [readonly] Number
- preSymbol [readwrite] String
- indentationRight [readwrite] Number
- postSymbol [readwrite] String
- lettered [readwrite] Boolean
- isNestable [readonly] Boolean
- autoindent [readwrite] Boolean

29.2. Constructor

- `GreekList(*)`

29.3. Public methods

- `add(Object)` Boolean
- `getChunks()` `Vector.<Object>`
- `toString()` String
- `normalizeIndentation()` void
- `process(IElementListener)` Boolean

30. Phrase

In package:org.purepdf.elements

Extends:Object

Implemented interfaces:IElement, Iterable, ITextElementaryArray

See online:[Phrase.as](#)

30.1. Public constants

- `DEFAULT_LEADING`: int

30.2. Public properties

- `size` [readonly] uint
- `hasLeading` [readonly] Boolean
- `isNestable` [readonly] Boolean
- `isContent` [readonly] Boolean
- `font` [readwrite] Font
- `leading` [readwrite] Number
- `type` [readonly] int
- `isEmpty` [readonly] Boolean

30.3. Constructor

- `Phrase(String, Font, Number)`

30.4. Static methods

- `fromChunk(Chunk)` Phrase

30.5. Public methods

- toString() String
- add(Object) Boolean
- getChunks() Vector.<Object>
- iterator() Iterator
- initFromPhrase(Phrase) void
- addSpecial(Object) void
- insert(int, Object) void
- getValue(int) Object
- addAll(Iterable) Boolean
- process(IElementListener) Boolean

31. PdfOCProperties

In package:org.purepdf.pdf

Extends:PdfDictionary, PdfObject, ObjectHash, Object

Implemented interfaces:IObject

See online:[PdfOCProperties.as](http://code.google.com/p/purepdf/wiki/PdfOCProperties)

31.1. Public properties

- size [readonly] int

31.2. Constructor

- PdfOCProperties(*)

31.3. Public methods

- merge(PdfDictionary) void
- getValue(PdfName) PdfObject
- toPdf(PdfWriter, IOutputStream) void
- mergeDifferent(PdfDictionary) void
- toString() String
- getAsDict(PdfName) PdfDictionary
- remove(PdfName) void
- putAll(PdfDictionary) void
- getKeys() KeySet
- getDirectObject(PdfName) PdfObject
- contains(PdfName) Boolean
- put(PdfName, PdfObject) void
- isString() Boolean
- isDictionary() Boolean

- isIndirect() Boolean
- getIndRef() PIndirectReference
- getBytes() Bytes
- isNumber() Boolean
- isBoolean() Boolean
- getType() int
- isName() Boolean
- isNull() Boolean
- canBelInObjStm() Boolean
- isArray() Boolean
- equals(Object) Boolean
- hashCode() int

32. Bytes

In package:org.purepdf.utils

Extends:Proxy, Object

See online:Bytes.as

32.1. Public properties

- buffer [readwrite] ByteArray
- position [readwrite] uint
- length [readwrite] uint

32.2. Constructor

- Bytes(Object)

32.3. Public methods

- writeBytes(Bytes, uint, uint) void
- writeIntAtPosition(uint, int) void
- toString() String
- toVector(uint, uint) Vector.<int>
- readIntAtPosition(uint) int
- readAsString(int, int) String

33. PdfAnnotationsImp

In package:org.purepdf.pdf

Extends:ObjectHash, Object

Implemented interfaces:IObject

See online:[PdfAnnotationsImp.as](#)

33.1. Public properties

- acroForm [readonly] PdfAcroForm

33.2. Constructor

- PdfAnnotationsImp(PdfWriter)

33.3. Public methods

- isValidAcroForm() Boolean
- resetAnnotations() void
- hasUnusedAnnotations() Boolean
- addPlainAnnotation(PdfAnnotation) void
- addAnnotation(PdfAnnotation) void
- equals(Object) Boolean
- hashCode() int

34. PdfBoolean

In package:org.purepdf.pdf

Extends:PdfObject, ObjectHash, Object

Implemented interfaces:IObject

See online:[PdfBoolean.as](#)

34.1. Public constants

- PDF_TRUE: PdfBoolean
- TRUE: String
- FALSE: String
- PDF_FALSE: PdfBoolean

34.2. Public properties

- booleanValue [readonly] Boolean

34.3. Constructor

- PdfBoolean(Boolean)

34.4. Public methods

- toString() String
- isString() Boolean
- isDictionary() Boolean
- isIndirect() Boolean
- toPdf(PdfWriter, OutputStream) void
- getIndRef() PRTIndirectReference
- getBytes() Bytes
- isNumber() Boolean
- isBoolean() Boolean
- getType() int
- isName() Boolean
- isNull() Boolean
- canBeInObjStm() Boolean
- isArray() Boolean
- equals(Object) Boolean
- hashCode() int

35. FieldBase

In package:org.purepdf.pdf.forms

Extends:Object

See online:[FieldBase.as](#)

35.1. Public constants

- BORDER_WIDTH_MEDIUM: Number
- VISIBLE: int
- PASSWORD: int
- BORDER_WIDTH_THICK: Number
- DO_NOT_SPELL_CHECK: int
- BORDER_WIDTH_THIN: Number
- READ_ONLY: int
- HIDDEN_BUT_PRINTABLE: int
- COMB: int
- EDIT: int
- FILE_SELECTION: int
- VISIBLE_BUT_DOES_NOT_PRINT: int
- REQUIRED: int
- MULTILINE: int
- DO_NOT_SCROLL: int
- MULTISELECT: int
- HIDDEN: int

35.2. Public properties

- text [readwrite] String
- font [readwrite] BaseFont
- borderColor [readwrite] RGBColor
- textColor [readwrite] RGBColor
- alignment [readwrite] int
- backgroundColor [readwrite] RGBColor
- borderWidth [readwrite] Number
- fontSize [readwrite] Number
- borderStyle [readwrite] int

35.3. Constructor

- FieldBase(*, *, *)

36. PdfImage

In package:org.purepdf.pdf

Extends:PdfStream, PdfDictionary, PdfObject, ObjectHash, Object

Implemented interfaces:IObject

See online:[PdfImage.as](http://purepdf.org/PdfImage.as)

36.1. Public constants

- TRANSFERSIZE: int

36.2. Public properties

- name [readonly] PdfName
- size [readonly] int

36.3. Constructor

- PdfImage(*, *, *)

36.4. Static methods

- transferBytes(ByteArray, ByteArray, int) void

36.5. Public methods

- toString() String
- toPdf(PdfWriter, OutputStream) void
- flateCompress(int) void
- getRawLength() int
- merge(PdfDictionary) void
- getValue(PdfName) PdfObject
- mergeDifferent(PdfDictionary) void
- getAsDict(PdfName) PdfDictionary
- remove(PdfName) void
- putAll(PdfDictionary) void
- getKeys() KeySet
- getDirectObject(PdfName) PdfObject
- contains(PdfName) Boolean
- put(PdfName, PdfObject) void
- isString() Boolean
- isDictionary() Boolean
- isIndirect() Boolean
- getIndRef() PIndirectReference
- getBytes() Bytes
- isNumber() Boolean
- isBoolean() Boolean
- getType() int
- isName() Boolean
- isNull() Boolean
- canBeInObjStm() Boolean
- isArray() Boolean
- equals(Object) Boolean
- hashCode() int

37. TIFFEncoder

In package:org.purepdf.codecs

Extends:Object

See online:[TIFFEncoder.as](http://code.google.com/p/purepdf/wiki/TIFFEncoder)

37.1. Static methods

- encode(BitmapData) ByteArray

38. BadElementError

In package:org.purepdf.errors

Extends:Error, Object

See online:[BadElementError.as](#)

38.1. Public properties

- errorID [readonly] int

38.2. Constructor

- BadElementError(*, *)

38.3. Public methods

- getStackTrace() String

39. PdfTemplate

In package:org.purepdf.pdf

Extends:PdfContentByte, ObjectHash, Object

Implemented interfaces:IObject

See online:[PdfTemplate.as](#)

39.1. Public constants

- TYPE_IMPORTED: int

- TYPE_TEMPLATE: int

- TYPE_PATTERN: int

39.2. Public properties

- layer [readwrite] IPdfOCG

- resources [readonly] PdfObject

- pageResources [readwrite] PageResources

- height [readwrite] Number

- indirectReference [readonly] PdfIndirectReference

- width [readwrite] Number

- type [readonly] int

- boundingBox [readwrite] RectangleElement

- group [readwrite] PdfTransparencyGroup

- writer [readwrite] PdfWriter

- size [readonly] uint

- xTLM_[readonly] Number
- pdfDocument_[readonly] PdfDocument
- yTLM_[readonly] Number

39.3. Constructor

- PdfTemplate(*)

39.4. Static methods

- createTemplate2(PdfWriter, Number, Number, PdfName) PdfTemplate
- createTemplate(PdfWriter, Number, Number) PdfTemplate

39.5. Public methods

- getFormXObject(int) PdfStream
- setMatrix(Number, Number, Number, Number, Number, Number) void
- getMatrix() PdfArray
- duplicate() PdfContentByte
- endVariableText() void
- beginVariableText() void
- rectangle() void
- setLineWidth(Number) void
- setLineCap(int) void
- stroke() void
- setColorStroke(RGBColor) void
- arc(Number, Number, Number, Number, Number, Number) void
- toString() String
- addImage1(ImageElement, Boolean) void
- resetStroke() void
- setCMYKFillColor(Number, Number, Number, Number) void
- setCMYKStrokeColor(Number, Number, Number, Number) void
- setGrayStroke(Number) void
- setPatternFill(PdfPatternPainter) void
- setGState(PdfGState) void
- setPatternStroke(PdfPatternPainter) void
- setSpotStrokeColor(PdfSpotColor, Number) void
- addImage2(ImageElement, Number, Number, Number, Number, Number, Number, Boolean) void
- setShadingFill(PdfShadingPattern) void
- fill(Boolean) void
- reset(Boolean) void
- setRGBStrokeColor(int, int, int) void
- beginLayer(IPdfOCG) void
- setRGBFillColor(int, int, int) void
- addTemplate(PdfTemplate, Number, Number, Number, Number, Number, Number) void

- setLineDash(Number) void
- concatCTM(Number, Number, Number, Number, Number, Number) void
- setSpotFillColor(PdfSpotColor, Number) void
- circle(Number, Number, Number) void
- clip(Boolean) void
- toPdf(PdfWriter) Bytes
- setLineDash3(Number, Number, Number) void
- setShadingStroke(PdfShadingPattern) void
- endText() void
- closePath() void
- addAnnotation(PdfAnnotation) void
- closePathFillStroke(Boolean) void
- showTextAligned(int, String, Number, Number, Number, Boolean) void
- beginText() void
- setLiteral(String) void
- moveText(Number, Number) void
- closePathStroke() void
- saveState() void
- setLineDash4(Vector.<Number>, Number) void
- endLayer() void
- setTextMatrix(Number, Number, Number, Number, Number, Number) void
- setMiterLimit(Number) void
- createAppearance(Number, Number) PdfAppearance
- createPattern(Number, Number, Number, Number) PdfPatternPainter
- getInternalBuffer() ByteBuffer
- setCharacterSpacing(Number) void
- createPatternColor(Number, Number, Number, Number, RGBColor) PdfPatternPainter
- showTextKerned(String) void
- getEffectiveStringWidth(String, Boolean) Number
- curveTo(Number, Number, Number, Number, Number, Number) void
- ellipse(Number, Number, Number, Number) void
- addImage3(ImageElement, Number, Number, Number, Number, Number, Number) void
- lineTo(Number, Number) void
- addImage(ImageElement) void
- showTextArray(PdfTextArray) void
- moveTo(Number, Number) void
- fillStroke(Boolean) void
- resetFill() void
- setColorFill(RGBColor) void
- paintShading(PdfShading) void
- setFontAndSize(BaseFont, Number) void
- addContent(PdfContentByte) void
- setTextRenderingMode(int) void
- setLineDash2(Number, Number) void
- setPatternFill2(PdfPatternPainter, RGBColor) void

- `restoreState()` void
- `newPath()` void
- `variableRectangle(RectangleElement)` void
- `setTextRise(Number)` void
- `setPatternFill3(PdfPatternPainter, RGBColor, Number)` void
- `setWordSpacing(Number)` void
- `setTransform(Matrix)` void
- `getCharacterSpacing()` Number
- `createTemplate(Number, Number, PdfName)` PdfTemplate
- `paintShadingPattern(PdfShadingPattern)` void
- `showText(String)` void
- `setPatternStroke2(PdfPatternPainter, RGBColor)` void
- `setPatternStroke3(PdfPatternPainter, RGBColor, Number)` void
- `setGrayFill(Number)` void
- `roundRectangle(Number, Number, Number, Number, Number)` void
- `setLineJoin(String)` void
- `equals(Object)` Boolean
- `hashCode()` int

40. PdfShadingPattern

In package:org.purepdf.pdf

Extends:PdfDictionary, PdfObject, ObjectHash, Object

Implemented interfaces:IObject

See online:[PdfShadingPattern.as](http://code.google.com/p/purepdf/wiki/PdfShadingPattern.as)

40.1. Public properties

- `matrix` [readwrite] Vector.<Number>
- `shading` [readonly] PdfShading
- `size` [readonly] int

40.2. Constructor

- PdfShadingPattern(*)

40.3. Public methods

- `merge(PdfDictionary)` void
- `getValue(PdfName)` PdfObject
- `toPdf(PdfWriter, IOutputStream)` void
- `mergeDifferent(PdfDictionary)` void
- `toString()` String
- `getAsDict(PdfName)` PdfDictionary

- remove(PdfName) void
- putAll(PdfDictionary) void
- getKeys() KeySet
- getDirectObject(PdfName) PdfObject
- contains(PdfName) Boolean
- put(PdfName, PdfObject) void
- isString() Boolean
- isDictionary() Boolean
- isIndirect() Boolean
- getIndRef() PIndirectReference
- getBytes() Bytes
- isNumber() Boolean
- isBoolean() Boolean
- getType() int
- isName() Boolean
- isNull() Boolean
- canBeInObjStm() Boolean
- isArray() Boolean
- equals(Object) Boolean
- hashCode() int

41. PdfObject

In package:org.purepdf.pdf

Extends:ObjectHash, Object

Implemented interfaces:IObject

See online:[PdfObject.as](#)

41.1. Public constants

- BOOLEAN: int
- STREAM: int
- DICTIONARY: int
- INDIRECT: int
- ARRAY: int
- NUMBER: int
- TEXT_UNICODE: String
- NULL: int
- NOTHING: String
- NAME: int
- TEXT_PDFDOCENCODING: String
- STRING: int

41.2. Constructor

- PdfObject(int)

41.3. Public methods

- isString() Boolean
- isDictionary() Boolean
- isIndirect() Boolean
- toPdf(PdfWriter, OutputStream) void
- getIndRef() PIndirectReference
- getBytes() Bytes
- isNumber() Boolean
- toString() String
- isBoolean() Boolean
- getType() int
- isName() Boolean
- isNull() Boolean
- canBeInObjStm() Boolean
- isArray() Boolean
- equals(Object) Boolean
- hashCode() int

42. PdfCopyFieldsImp

In package:org.purepdf.pdf

Extends:PdfWriter, ObjectHash, Object

Implemented interfaces:EObject

See online:[PdfCopyFieldsImp.as](#)

42.1. Public properties

- spaceCharRatio [readonly] Number
- pageNumber [readonly] int
- rgbTransparencyBlending [readwrite] Boolean
- pdfDocument [readonly] PdfDocument
- compressionLevel [readonly] int

42.2. Constructor

- PdfCopyFieldsImp(*, *, *)

42.3. Public methods

- getDefaultColorSpace() PdfDictionary
- getDirectContentUnder() PdfContentByte
- getGroup() PdfDictionary
- setTabs(PdfName) void
- getExtraCatalog() PdfDictionary
- getImageReference(PdfName) PdfIndirectReference
- getEncryption() PdfEncryption
- setGroup(PdfDictionary) void
- setEncryption(PdfEncryption) void
- getOs() OutputStreamCounter
- getTabs() PdfName
- setDefaultColorSpace(PdfName, PdfObject) void
- isFullCompression() Boolean
- getInfo() PdfDictionary
- getDirectContent() PdfContentByte
- isOpen() Boolean
- isPaused() Boolean
- getCurrentPageNumber() int
- getPageReference(int) PdfIndirectReference
- setOutlines(Array) void
- getCurrentPage() PdfIndirectReference
- resetContent() void
- isRgbTransparencyBlending() Boolean
- equals(Object) Boolean
- hashCode() int

43. PageResources

In package:org.purepdf.pdf

Extends:ObjectHash, Object

Implemented interfaces:IObject

See online:[PageResources.as](#)

43.1. Public methods

- getResources() PdfDictionary
- addDefaultColorDiff(PdfDictionary) void
- equals(Object) Boolean
- hashCode() int

44. TrueTypeFont

In package:org.purepdf.pdf.fonts

Extends:BaseFont, ObjectHash, Object

Implemented interfaces:LObject

See online:[TrueTypeFont.as](http://code.google.com/p/purepdf/wiki/TrueTypeFont.as)

44.1. Public properties

- subset [readwrite] Boolean
- fontType [readonly] int
- compressionLevel [readwrite] int
- encoding [readonly] String
- fontSpecific [readwrite] Boolean

44.2. Public methods

- hasKernPairs() Boolean
- setKerning(int, int, int) Boolean
- init(String, String, Boolean, Vector.<int>, Boolean, Boolean) void
- getFamilyFontName() Vector.<__AS3__.vec::Vector.<String>>
- getMetricsTT(int) Vector.<int>
- getFontDescriptor(int, Number) Number
- getWidth(Object) int
- getWidthPoint(Object, Number) Number
- getCharBBox(int) Vector.<int>
- addSubsetTange(Vector.<int>) void
- charExists(int) Boolean
- getUnicodeDifferences(int) int
- getKerning(int, int) int
- getWidthPointKerned(String, Number) Number
- getUnicodeEquivalent(int) int
- getPostscriptFontName() String
- equals(Object) Boolean
- hashCode() int

45. PdfBlendMode

In package:org.purepdf.pdf

Extends:ObjectHash, Object

Implemented interfaces:LObject

See online:[PdfBlendMode.as](http://code.google.com/p/purepdf/wiki/PdfBlendMode.as)

45.1. Public constants

- OVERLAY: PdfName
- COLORBURN: PdfName
- DARKEN: PdfName
- MULTIPLY: PdfName
- COMPATIBLE: PdfName
- HARDLIGHT: PdfName
- SCREEN: PdfName
- DIFFERENCE: PdfName
- EXCLUSION: PdfName
- LIGHTEN: PdfName
- SOFTLIGHT: PdfName
- NORMAL: PdfName
- COLORDODGE: PdfName

45.2. Public methods

- equals(Object) Boolean
- hashCode() int

46. Utilities

In package:org.purepdf.utils

Extends:Object

See online:[Utilities.as](#)

46.1. Static methods

- convertToUtf32_3(Vector.<int>, int) int
- isSurrogatePair(Vector.<int>, int) Boolean
- isSurrogateLow(int) Boolean
- convertToUtf32_2(String, int) int
- addToArray(Vector.<__AS3__.vec::Vector.<Object>>, Vector.<Object>)
Vector.<__AS3__.vec::Vector.<Object>>
- isSurrogatePair2(String, int) Boolean
- isSurrogateHigh(int) Boolean
- convertToUtf32(int, int) int

47. PdfPCell

In package:org.purepdf.pdf

Extends:RectangleElement, Object

Implemented interfaces:IElement

See online:[PdfPCell.as](#)

47.1. Public properties

- `fixedHeight` [readwrite] Number
- `indent` [readwrite] Number
- `followingIndent` [readwrite] Number
- `rowspan` [readwrite] int
- `extraParagraphSpace` [readwrite] Number
- `paddingRight` [readwrite] Number
- `paddingLeft` [readwrite] Number
- `multipliedLeading` [readonly] Number
- `hasMinimumHeight` [readonly] Boolean
- `padding` [writeonly] Number
- `paddingTop` [readwrite] Number
- `effectivePaddingBottom` [readonly] Number
- `effectivePaddingLeft` [readonly] Number
- `effectivePaddingTop` [readonly] Number
- `hasFixedHeight` [readonly] Boolean
- `effectivePaddingRight` [readonly] Number
- `phrase` [readwrite] Phrase
- `useBorderPadding` [readwrite] Boolean
- `leading` [readonly] Number
- `noWrap` [readwrite] Boolean
- `verticalAlignment` [readwrite] int
- `useDescender` [readwrite] Boolean
- `horizontalAlignment` [readwrite] int
- `table` [readwrite] PdfPTable
- `minimumHeight` [readwrite] Number
- `cellEvent` [readwrite] IPdfPCellEvent
- `maxHeight` [readonly] Number
- `image` [readwrite] ImageElement
- `runDirection` [readwrite] int
- `rotation` [readwrite] int
- `column` [readwrite] ColumnText
- `paddingBottom` [readwrite] Number
- `colspan` [readwrite] int
- `useAscender` [readwrite] Boolean
- `rightIndent` [readwrite] Number
- `borderWidthBottom` [readwrite] Number
- `borderWidthLeft` [readwrite] Number
- `borderColorLeft` [readwrite] RGBColor
- `borderColorRight` [readwrite] RGBColor
- `borderColorTop` [readwrite] RGBColor
- `isNestable` [readonly] Boolean
- `borderColor` [readwrite] RGBColor

- `borderColorBottom` [readwrite] RGBColor
- `borderSides` [writeonly] int
- `isContent` [readonly] Boolean
- `height` [readonly] Number
- `grayFill` [readwrite] Number
- `type` [readonly] int
- `useVariableBorders` [readonly] Boolean
- `width` [readonly] Number
- `border` [readwrite] int
- `borderWidth` [readwrite] Number
- `backgroundColor` [readwrite] RGBColor
- `rotation` [readonly] int
- `borderWidthTop` [readwrite] Number
- `borderWidthRight` [readwrite] Number

47.2. Static methods

- `fromTable`(PdfPTable, PdfPCell) PdfPCell
- `fromPhrase`(Phrase) PdfPCell
- `fromCell`(PdfPCell) PdfPCell
- `fromImage`(ImageElement, Boolean) PdfPCell

47.3. Public methods

- `addElement`(IElement) void
- `setLeading`(Number, Number) void
- `hasBorder`(int) Boolean
- `rectangle`(Number, Number) RectangleElement
- `getChunks`() Vector.<Object>
- `rotate`() RectangleElement
- `hasBorders`() Boolean
- `toString`() String
- `getTop`(Number) Number
- `setTop`(Number) void
- `getLeft`(Number) Number
- `getBottom`(Number) Number
- `disableBorderSide`(int) void
- `setBottom`(Number) void
- `enableBorderSide`(int) void
- `setRight`(Number) void
- `softCloneNonPositionParameters`(RectangleElement) void
- `normalize`() void
- `getRight`(Number) Number
- `setLeft`(Number) void
- `cloneNonPositionParameters`(RectangleElement) void

- process(IEventListener) Boolean

48. SectionEvent

In package:org.purepdf.events

Extends:Event, Object

See online:[SectionEvent.as](#)

48.1. Public constants

- SECTION_START: String
- SECTION_END: String

48.2. Public properties

- position [readonly] Number
- depth [readonly] int
- title [readonly] Paragraph
- eventPhase [readonly] uint
- currentTarget [readonly] Object
- type [readonly] String
- bubbles [readonly] Boolean
- target [readonly] Object
- cancelable [readonly] Boolean

48.3. Constructor

- SectionEvent(*, *, *, *)

48.4. Public methods

- clone() Event
- formatToString(String) String
- stopImmediatePropagation() void
- isDefaultPrevented() Boolean
- toString() String
- stopPropagation() void
- preventDefault() void

49. PdfAppearance

In package:org.purepdf.pdf

Extends:PdfTemplate, PdfContentByte, ObjectHash, Object

Implemented interfaces:IObject

See online:[PdfAppearance.as](#)

49.1. Public properties

- layer [readwrite] IPdfOCG
- resources [readonly] PdfObject
- pageResources [readwrite] PageResources
- height [readwrite] Number
- indirectReference [readonly] PdfIndirectReference
- width [readwrite] Number
- type [readonly] int
- boundingBox [readwrite] RectangleElement
- group [readwrite] PdfTransparencyGroup
- writer [readwrite] PdfWriter
- size [readonly] uint
- xTLM [readonly] Number
- pdfDocument [readonly] PdfDocument
- yTLM [readonly] Number

49.2. Constructor

- PdfAppearance(*)

49.3. Static methods

- createAppearance(PdfWriter, Number, Number) PdfAppearance

49.4. Public methods

- duplicate() PdfContentByte
- setFontAndSize(BaseFont, Number) void
- getFormXObject(int) PdfStream
- setMatrix(Number, Number, Number, Number, Number, Number) void
- getMatrix() PdfArray
- endVariableText() void
- beginVariableText() void
- rectangle() void
- setLineWidth(Number) void
- setLineCap(int) void
- stroke() void
- setColorStroke(RGBColor) void
- arc(Number, Number, Number, Number, Number, Number) void

- toString() String
- addImage1(ImageElement, Boolean) void
- resetStroke() void
- setCMYKFillColor(Number, Number, Number, Number) void
- setCMYKStrokeColor(Number, Number, Number, Number) void
- setGrayStroke(Number) void
- setPatternFill(PdfPatternPainter) void
- setGState(PdfGState) void
- setPatternStroke(PdfPatternPainter) void
- setSpotStrokeColor(PdfSpotColor, Number) void
- addImage2(ImageElement, Number, Number, Number, Number, Number, Number, Boolean) void
- setShadingFill(PdfShadingPattern) void
- fill(Boolean) void
- reset(Boolean) void
- setRGBStrokeColor(int, int, int) void
- beginLayer(IPdfOCG) void
- setRGBFillColor(int, int, int) void
- addTemplate(PdfTemplate, Number, Number, Number, Number, Number, Number) void
- setLineDash(Number) void
- concatCTM(Number, Number, Number, Number, Number, Number) void
- setSpotFillColor(PdfSpotColor, Number) void
- circle(Number, Number, Number) void
- clip(Boolean) void
- toPdf(PdfWriter) Bytes
- setLineDash3(Number, Number, Number) void
- setShadingStroke(PdfShadingPattern) void
- endText() void
- closePath() void
- addAnnotation(PdfAnnotation) void
- closePathFillStroke(Boolean) void
- showTextAligned(int, String, Number, Number, Number, Boolean) void
- beginText() void
- setLiteral(String) void
- moveText(Number, Number) void
- closePathStroke() void
- saveState() void
- setLineDash4(Vector.<Number>, Number) void
- endLayer() void
- setTextMatrix(Number, Number, Number, Number, Number, Number) void
- setMiterLimit(Number) void
- createAppearance(Number, Number) PdfAppearance
- createPattern(Number, Number, Number, Number) PdfPatternPainter
- getInternalBuffer() ByteBuffer
- setCharacterSpacing(Number) void
- createPatternColor(Number, Number, Number, Number, RGBColor) PdfPatternPainter

- showTextKerned(String) void
- getEffectiveStringWidth(String, Boolean) Number
- curveTo(Number, Number, Number, Number, Number, Number) void
- ellipse(Number, Number, Number, Number) void
- addImage3(ImageElement, Number, Number, Number, Number, Number, Number) void
- lineTo(Number, Number) void
- addImage(ImageElement) void
- showTextArray(PdfTextArray) void
- moveTo(Number, Number) void
- fillStroke(Boolean) void
- resetFill() void
- setColorFill(RGBColor) void
- paintShading(PdfShading) void
- addContent(PdfContentByte) void
- setTextRenderingMode(int) void
- setLineDash2(Number, Number) void
- setPatternFill2(PdfPatternPainter, RGBColor) void
- restoreState() void
- newPath() void
- variableRectangle(RectangleElement) void
- setTextRise(Number) void
- setPatternFill3(PdfPatternPainter, RGBColor, Number) void
- setWordSpacing(Number) void
- setTransform(Matrix) void
- getCharacterSpacing() Number
- createTemplate(Number, Number, PdfName) PdfTemplate
- paintShadingPattern(PdfShadingPattern) void
- showText(String) void
- setPatternStroke2(PdfPatternPainter, RGBColor) void
- setPatternStroke3(PdfPatternPainter, RGBColor, Number) void
- setGrayFill(Number) void
- roundRectangle(Number, Number, Number, Number, Number) void
- setLineJoin(String) void
- equals(Object) Boolean
- hashCode() int

50. Meta

In package:org.purepdf.elements

Extends:Object

Implemented interfaces:IElement

See online:[Meta.as](http://code.google.com/p/purepdf/wiki/Meta.as)

50.1. Public properties

- type [readonly] int
- isContent [readonly] Boolean
- isNestable [readonly] Boolean

50.2. Constructor

- Meta(int, String)

50.3. Static methods

- getType(String) int

50.4. Public methods

- process(IElementListener) Boolean
- getName() String
- toString() String
- append(String) String
- getContent() String
- getChunks() Vector.<Object>

51. PdfTextArray

In package:org.purepdf.pdf

Extends:ObjectHash, Object

Implemented interfaces:IObject

See online:[PdfTextArray.as](#)

51.1. Public properties

- arrayList [readonly] Vector.<Object>

51.2. Constructor

- PdfTextArray(*)

51.3. Public methods

- addNumber(Number) void
- addString(String) void
- equals(Object) Boolean
- hashCode() int

52. FloatUtils

In package:org.purepdf.utils

Extends:Object

See online:FloatUtils.as

52.1. Static methods

- floatToIntBits(Number) int

53. PdfTransition

In package:org.purepdf.pdf

Extends:ObjectHash, Object

Implemented interfaces:IObject

See online:PdfTransition.as

53.1. Public constants

- BLINDV: int
- SPLITVOUT: int
- LRGLITTER: int
- TBGLITTER: int
- INBOX: int
- BTWIPE: int
- SPLITHIN: int
- LRWIPE: int
- TBWIPE: int
- DGLITTER: int
- SPLITHOUT: int
- OUTBOX: int
- BLINDH: int
- SPLITVIN: int
- RLWIPE: int
- DISSOLVE: int

53.2. Public properties

- type [readonly] int
- duration [readwrite] int

53.3. Constructor

- PdfTransition(*, *)

53.4. Public methods

- equals(Object) Boolean
- hashCode() int

54. PdfTrailer

In package:org.purepdf.pdf

Extends:PdfDictionary, PdfObject, ObjectHash, Object

Implemented interfaces:IObject

See online:PdfTrailer.as

54.1. Public properties

- size [readonly] int

54.2. Constructor

- PdfTrailer(*, *, *, *, *, *, *)

54.3. Public methods

- toPdf(PdfWriter, IOutputStream) void
- merge(PdfDictionary) void
- getValue(PdfName) PdfObject
- mergeDifferent(PdfDictionary) void
- toString() String
- getAsDict(PdfName) PdfDictionary
- remove(PdfName) void
- putAll(PdfDictionary) void
- getKeys() KeySet
- getDirectObject(PdfName) PdfObject
- contains(PdfName) Boolean
- put(PdfName, PdfObject) void
- isString() Boolean
- isDictionary() Boolean
- isIndirect() Boolean
- getIndRef() PRIndirectReference
- getBytes() Bytes
- isNumber() Boolean

- isBoolean() Boolean
- getType() int
- isName() Boolean
- isNull() Boolean
- canBelInObjStm() Boolean
- isArray() Boolean
- equals(Object) Boolean
- hashCode() int

55. ByteBuffer

In package:org.purepdf.pdf

Extends:Object

Implemented interfaces:OutputStream

See online:[ByteBuffer.as](#)

55.1. Public constants

- ZERO: int
- SEPARATOR: int
- BYTE_MAX_VALUE: int
- BYTE_MIN_VALUE: int

55.2. Public properties

- size [readwrite] int

55.3. Static methods

- formatDouble(Number, ByteBuffer) String
- intToByte(int) int

55.4. Public methods

- reset() void
- writeInt(int) void
- writeBytes(Bytes, int, int) void
- append_number(Number) ByteBuffer
- append_bytebuffer(ByteBuffer) ByteBuffer
- getBuffer() ByteArray
- toString() String
- append_char(String) ByteBuffer
- append_byte(int) ByteBuffer
- append_bytes(Bytes, int, int) ByteBuffer

- `append_separator()` ByteBuffer
- `writeTo(ByteArray)` void
- `append_int(int)` ByteBuffer
- `append_string(String)` ByteBuffer
- `toArray()` Bytes
- `append_bytearray(ByteArray, int, int)` ByteBuffer
- `append(*)` ByteBuffer
- `writeByteArray(ByteArray, int, int)` void
- `appendHex(int)` ByteBuffer

56. PdfBody

In package:org.purepdf.pdf

Extends:ObjectHash, Object

Implemented interfaces:LObject

See online:[PdfBody.as](http://code.google.com/p/purepdf/wiki/PdfBody.as)

56.1. Public properties

- `indirectReferenceNumber` [readonly] int
- `pdfIndirectReference` [readonly] PdfIndirectReference
- `offset` [readonly] int
- `size` [readonly] int

56.2. Constructor

- `PdfBody(PdfWriter)`

56.3. Public methods

- `addToObjStm(PdfObject, int)` PdfCrossReference
- `add1(PdfObject)` PdfIndirectObject
- `add2(PdfObject, Boolean)` PdfIndirectObject
- `writeCrossReferenceTable(OutputStreamCounter, PdfIndirectReference, PdfIndirectReference, PdfIndirectReference, PdfObject, int)` void
- `add3(PdfObject, PdfIndirectReference)` PdfIndirectObject
- `flushObjStm()` void
- `add4(PdfObject, int)` PdfIndirectObject
- `add(PdfObject, int, Boolean)` PdfIndirectObject
- `add5(PdfObject, PdfIndirectReference, Boolean)` PdfIndirectObject
- `equals(Object)` Boolean
- `hashCode()` int

57. PdfChunk

In package:org.purepdf.pdf

Extends:ObjectHash, Object

Implemented interfaces:IObject

See online:[PdfChunk.as](http://code.google.com/p/purepdf)

57.1. Public properties

- color [readonly] RGBColor
- image [readonly] ImageElement
- width [readonly] Number
- font [readonly] PdfFont
- imageOffsetX [readwrite] Number
- lengthUtf32 [readonly] int
- imageOffsetY [readwrite] Number
- changeLeading [readonly] Boolean
- length [readonly] int

57.2. Static methods

- fromString(String, PdfChunk) PdfChunk
- noPrint(int) Boolean
- fromChunk(Chunk, PdfAction) PdfChunk

57.3. Public methods

- isTab() Boolean
- isNewlineSplit() Boolean
- getCharWidth(int) Number
- toString() String
- trimLastSpace() Number
- isSeparator() Boolean
- isExtSplitCharacter(int, int, int, Vector.<int>, Vector.<org.purepdf.pdf::PdfChunk>) Boolean
- isHorizontalSeparator() Boolean
- getUnicodeEquivalent(int) int
- trimFirstSpace() Number
- isStroked() Boolean
- adjustLeft(Number) void
- getAttribute(String) Object
- isImage() Boolean
- isAttribute(String) Boolean
- getTextRise() Number
- isSpecialEncoding() Boolean
- equals(Object) Boolean

- hashCode() int

58. PdfNull

In package:org.purepdf.pdf

Extends:PdfObject, ObjectHash, Object

Implemented interfaces:IObject

See online:[PdfNull.as](#)

58.1. Public constants

- PDFNULL: PdfNull

58.2. Public methods

- toString() String
- isString() Boolean
- isDictionary() Boolean
- isIndirect() Boolean
- toPdf(PdfWriter, IOutputStream) void
- getIndRef() PRIndirectReference
- getBytes() Bytes
- isNumber() Boolean
- isBoolean() Boolean
- getType() int
- isName() Boolean
- isNull() Boolean
- canBeInObjStm() Boolean
- isArray() Boolean
- equals(Object) Boolean
- hashCode() int

59. BuiltinCJKFonts

In package:org.purepdf.resources

Extends:Object

See online:[BuiltinCJKFonts.as](#)

59.1. Static methods

- getFontName(Class) String

60. PdfFormField

In package:org.purepdf.pdf.forms

Extends:PdfAnnotation, PdfDictionary, PdfObject, ObjectHash, Object

Implemented interfaces:IObject

See online:[PdfFormField.as](#)

60.1. Public constants

- MK_NO_ICON: int
- PLAINTEXT: Boolean
- MULTILINE: Boolean
- Q_CENTER: int
- FF_MULTILINE: int
- Q_LEFT: int
- FF_MULTISELECT: int
- PASSWORD: Boolean
- Q_RIGHT: int
- FF_PASSWORD: int
- SINGLELINE: Boolean
- FF_COMBO: int
- FF_READ_ONLY: int
- FF_NO_EXPORT: int
- FF_NO_TOGGLE_TO_OFF: int
- FF_PUSHBUTTON: int
- FF_REQUIRED: int
- FF_RADIO: int
- FF_RADIOINUNISON: int
- FF_COMB: int
- IF_SCALE_ANAMORPHIC: PdfName
- IF_SCALE_ALWAYS: PdfName
- IF_SCALE_BIGGER: PdfName
- FF_DONOTSCROLL: int
- IF_SCALE_PROPORTIONAL: PdfName
- IF_SCALE_NEVER: PdfName
- FF_DONOTSPELLCHECK: int
- MK_CAPTION_ABOVE: int
- IF_SCALE_SMALLER: PdfName
- FF_EDIT: int
- MK_CAPTION_LEFT: int
- MK_CAPTION_BELOW: int
- MK_CAPTION_OVERLAID: int
- FF_FILESELECT: int
- MK_NO_CAPTION: int
- MK_CAPTION_RIGHT: int

60.2. Public properties

- valueAsName [writeonly] String
- defaultValueAsName [writeonly] String
- parent [readwrite] PdfFormField
- fieldName [writeonly] String
- kids [readonly] Vector.<org.purepdf.pdf.forms::PdfFormField>
- quadding [writeonly] int
- fieldFlags [writeonly] int
- valueAsString [writeonly] String
- defaultValueAsString [writeonly] String
- userName [writeonly] String
- mappingName [writeonly] String
- flags [writeonly] int
- writer [readwrite] PdfWriter
- popup [writeonly] PdfAnnotation
- isForm [readonly] Boolean
- form [readwrite] Boolean
- templates [readwrite] HashMap
- placeInPage [readonly] int
- mkBorderColor [writeonly] RGBColor
- action [writeonly] PdfAction
- appearanceState [writeonly] String
- annotation [readwrite] Boolean
- isAnnotation [readonly] Boolean
- mkRotation [writeonly] int
- borderStyle [writeonly] PdfBorderDictionary
- mkBackgroundColor [writeonly] RGBColor
- defaultAppearanceString [writeonly] PdfContentByte
- size [readonly] int

60.3. Constructor

- PdfFormField(*, *)

60.4. Static methods

- createSignature(PdfWriter) PdfFormField
- shallowDuplicate(PdfAnnotation) PdfAnnotation
- mergeResources2(PdfDictionary, PdfDictionary, Object) void
- mergeResources(PdfDictionary, PdfDictionary) void
- createCheckBox(PdfWriter) PdfFormField
- createCombo(PdfWriter, Boolean, Vector.<String>, int) PdfFormField
- createCombos(PdfWriter, Boolean, Vector.<__AS3__.vec::Vector.<String>>, int) PdfFormField
- createList(PdfWriter, Vector.<String>, int) PdfFormField
- createEmpty(PdfWriter) PdfFormField

- `createLists(PdfWriter, Vector.<__AS3__.vec::Vector.<String>>, int) PdfFormField`
- `createPushButton(PdfWriter) PdfFormField`
- `createTextField(PdfWriter, Boolean, Boolean, int) PdfFormField`
- `createRadioButton(PdfWriter, Boolean) PdfFormField`

60.5. Public methods

- `setWidth(RectangleElement, PdfName) void`
- `addKid(PdfFormField) void`
- `setFieldFlags(int) int`
- `setUsed() void`
- `setButton(int) void`
- `getUsed() Boolean`
- `indirectReference() PdfIndirectReference`
- `setAdditionalActions(PdfName, PdfAction) void`
- `setAppearanceState(PdfName, String, PdfTemplate) void`
- `setAppearance(PdfName, PdfTemplate) void`
- `merge(PdfDictionary) void`
- `getValue(PdfName) PdfObject`
- `toPdf(PdfWriter, IOutputStream) void`
- `mergeDifferent(PdfDictionary) void`
- `toString() String`
- `getAsDict(PdfName) PdfDictionary`
- `remove(PdfName) void`
- `putAll(PdfDictionary) void`
- `getKeys() KeySet`
- `getDirectObject(PdfName) PdfObject`
- `contains(PdfName) Boolean`
- `put(PdfName, PdfObject) void`
- `isString() Boolean`
- `isDictionary() Boolean`
- `isIndirect() Boolean`
- `getIndRef() PIndirectReference`
- `getBytes() Bytes`
- `isNumber() Boolean`
- `isBoolean() Boolean`
- `getType() int`
- `isName() Boolean`
- `isNull() Boolean`
- `canBeInObjStm() Boolean`
- `isArray() Boolean`
- `equals(Object) Boolean`
- `hashCode() int`

61. PdfLayer

In package:org.purepdf.pdf

Extends:PdfDictionary, PdfObject, ObjectHash, Object

Implemented interfaces:IPdfOCG, IObject

See online:[PdfLayer.as](http://purepdf.as)

61.1. Public properties

- title [readonly] String
- onPanel [readwrite] Boolean
- parent [readonly] PdfLayer
- ref [readwrite] PdfIndirectReference
- visible [readwrite] Boolean
- pdfObject [readonly] PdfObject
- name [writeonly] String
- children [readonly] Vector.<org.purepdf.pdf.interfaces::IPdfOCG>
- size [readonly] int

61.2. Constructor

- PdfLayer(*, *)

61.3. Static methods

- createTitle(String, PdfWriter) PdfLayer

61.4. Public methods

- addChild(PdfLayer) void
- setLanguage(String, Boolean) void
- setExport(Boolean) void
- setCreatorInfo(String, String) void
- setPrint(String, Boolean) void
- setView(Boolean) void
- setZoom(Number, Number) void
- merge(PdfDictionary) void
- getValue(PdfName) PdfObject
- toPdf(PdfWriter, IOutputStream) void
- mergeDifferent(PdfDictionary) void
- toString() String
- getAsDict(PdfName) PdfDictionary
- remove(PdfName) void
- putAll(PdfDictionary) void

- `getKeys()` KeySet
- `getDirectObject(PdfName)` PdfObject
- `contains(PdfName)` Boolean
- `put(PdfName, PdfObject)` void
- `isString()` Boolean
- `isDictionary()` Boolean
- `isIndirect()` Boolean
- `getIndRef()` PIndirectReference
- `getBytes()` Bytes
- `isNumber()` Boolean
- `isBoolean()` Boolean
- `getType()` int
- `isName()` Boolean
- `isNull()` Boolean
- `canBelInObjStm()` Boolean
- `isArray()` Boolean
- `equals(Object)` Boolean
- `hashCode()` int

62. PdfIndirectObject

In package:org.purepdf.pdf

Extends:ObjectHash, Object

Implemented interfaces:IObject

See online:[PdfIndirectObject.as](http://code.google.com/p/purepdf/wiki/PdfIndirectObject.as)

62.1. Public properties

- `indirectReference` [readonly] PdfIndirectReference

62.2. Constructor

- `PdfIndirectObject(*, *, *, *)`

62.3. Public methods

- `writeTo(IOutputStream)` void
- `equals(Object)` Boolean
- `hashCode()` int

63. ListItem

In package:org.purepdf.elements

Extends:Paragraph, Phrase, Object

Implemented interfaces:IElement, Iterable, ITextElementaryArray

See online:[ListItem.as](http://code.google.com/p/purepdf/wiki/ListItem.as)

63.1. Public properties

- type [readonly] int
- listSymbol [readwrite] Chunk
- keptogether [readwrite] Boolean
- totalLeading [readonly] Number
- spacingBefore [readwrite] Number
- spacingAfter [readwrite] Number
- indentationRight [readwrite] Number
- indentationLeft [readwrite] Number
- firstLineIndent [readwrite] Number
- extraParagraphSpace [readwrite] Number
- multipliedLeading [readonly] Number
- alignment [readwrite] int
- size [readonly] uint
- hasLeading [readonly] Boolean
- isNestable [readonly] Boolean
- isContent [readonly] Boolean
- font [readwrite] Font
- leading [readwrite] Number
- isEmpty [readonly] Boolean

63.2. Constructor

- ListItem(*, *)

63.3. Static methods

- fromPhrase(Phrase) ListItem

63.4. Public methods

- setIndentationLeft(Number, Boolean) void
- setAlignment(String) void
- add(Object) Boolean
- setLeading(Number, Number) void
- toString() String

- getChunks() Vector.<Object>
- iterator() Iterator
- initFromPhrase(Phrase) void
- insert(int, Object) void
- getValue(int) Object
- addAll(Iterable) Boolean
- process(IElementListener) Boolean

64. NumberUtils

In package:org.purepdf.utils

Extends:Object

See online:[NumberUtils.as](#)

64.1. Static methods

- is_int(*) Boolean
- is_number(*) Boolean

65. SimpleCell

In package:org.purepdf.elements

Extends:RectangleElement, Object

Implemented interfaces:ITextElementaryArray, IElement, IPdfPCellEvent

See online:[SimpleCell.as](#)

65.1. Public constants

- CELL: Boolean
- ROW: Boolean

65.2. Public properties

- paddingLeft [readwrite] Number
- colspan [readwrite] uint
- spacingBottom [readwrite] Number
- padding [writeonly] Number
- paddingRight [readwrite] Number
- cellGroup [readwrite] Boolean
- horizontalAlignment [readwrite] int
- spacing [writeonly] Number
- spacingTop [readwrite] Number
- useBorderPadding [readwrite] Boolean

- spacingRight [readwrite] Number
- spacingLeft [readwrite] Number
- verticalAlignment [readwrite] int
- useDescender [readwrite] Boolean
- type [readonly] int
- paddingBottom [readwrite] Number
- widthpercentage [readwrite] Number
- content [readonly] Vector.<org.purepdf.elements::IElement>
- paddingTop [readwrite] Number
- useAscender [readwrite] Boolean
- width [readwrite] Number
- borderWidthBottom [readwrite] Number
- borderWidthLeft [readwrite] Number
- borderColorLeft [readwrite] RGBColor
- borderColorRight [readwrite] RGBColor
- borderColorTop [readwrite] RGBColor
- isNestable [readonly] Boolean
- borderColor [readwrite] RGBColor
- borderColorBottom [readwrite] RGBColor
- borderSides [writeonly] int
- isContent [readonly] Boolean
- height [readonly] Number
- grayFill [readwrite] Number
- useVariableBorders [readonly] Boolean
- border [readwrite] int
- borderWidth [readwrite] Number
- backgroundColor [readwrite] RGBColor
- rotation [readonly] int
- borderWidthTop [readwrite] Number
- borderWidthRight [readwrite] Number

65.3. Constructor

- SimpleCell(*)

65.4. Public methods

- cellLayout(PdfPCell, RectangleElement, Vector.<org.purepdf.pdf::PdfContentByte>) void
- createPdfPCell(SimpleCell) PdfPCell
- add(Object) Boolean
- addElement(IElement) void
- hasBorder(int) Boolean
- rectangle(Number, Number) RectangleElement
- getChunks() Vector.<Object>
- rotate() RectangleElement

- hasBorders() Boolean
- toString() String
- getTop(Number) Number
- setTop(Number) void
- getLeft(Number) Number
- getBottom(Number) Number
- disableBorderSide(int) void
- setBottom(Number) void
- enableBorderSide(int) void
- setRight(Number) void
- softCloneNonPositionParameters(RectangleElement) void
- normalize() void
- getRight(Number) Number
- setLeft(Number) void
- cloneNonPositionParameters(RectangleElement) void
- process(IElementListener) Boolean

66. PdfCrossReference

In package:org.purepdf.pdf

Extends:ObjectHash, Object

Implemented interfaces:IComparable, IObject

See online:[PdfCrossReference.as](http://code.google.com/p/purepdf/wiki/PdfCrossReference.as)

66.1. Public properties

- refnum [readonly] int

66.2. Constructor

- PdfCrossReference(int, int, int, int)

66.3. Public methods

- compareTo(Object) int
- toPdf(IOutputStream) void
- midSizeToPdf(int, IOutputStream) void
- equals(Object) Boolean
- hashCode() int

67. IElement

In package:org.purepdf.elements

See online:[IElement.as](#)

67.1. Public properties

- isNestable [readonly] Boolean
- type [readonly] int
- isContent [readonly] Boolean

67.2. Public methods

- getChunks() Vector.<Object>
- process(IElementListener) Boolean
- toString() String

68. RomanAlphabetFactory

In package:org.purepdf.factories

Extends:Object

See online:[RomanAlphabetFactory.as](#)

68.1. Static methods

- getString(int, Boolean) String
- getLowerCaseString(int) String
- getUpperCaseString(int) String

69. BuiltinFonts

In package:org.purepdf.resources

Extends:Object

See online:[BuiltinFonts.as](#)

69.1. Public constants

- HELVETICA_BOLD OBLIQUE: Class
- ZAPFDINGBATS: Class
- COURIER: Class
- TIMES_BOLD: Class
- HELVETICA_OBLIQUE: Class
- TIMES_BOLDITALIC: Class

- TIMES_ITALIC: Class
- COURIER_BOLD: Class
- COURIER_OBLIQUE: Class
- COURIER_BOLD OBLIQUE: Class
- HELVETICA_BOLD: Class
- HELVETICA: Class
- SYMBOL: Class
- TIMES_ROMAN: Class

70. PdfDictionary

In package:org.purepdf.pdf

Extends:PdfObject, ObjectHash, Object

Implemented interfaces:IObject

See online:PdfDictionary.as

70.1. Public constants

- PAGE: PdfName
- OUTLINES: PdfName
- CATALOG: PdfName

70.2. Public properties

- size [readonly] int

70.3. Constructor

- PdfDictionary(PdfName)

70.4. Public methods

- merge(PdfDictionary) void
- getValue(PdfName) PdfObject
- toPdf(PdfWriter, IOutputStream) void
- mergeDifferent(PdfDictionary) void
- toString() String
- getAsDict(PdfName) PdfDictionary
- remove(PdfName) void
- putAll(PdfDictionary) void
- getKeys() KeySet
- getDirectObject(PdfName) PdfObject
- contains(PdfName) Boolean
- put(PdfName, PdfObject) void
- isString() Boolean
- isDictionary() Boolean

- isIndirect() Boolean
- getIndRef() PIndirectReference
- getBytes() Bytes
- isNumber() Boolean
- isBoolean() Boolean
- getType() int
- isName() Boolean
- isNull() Boolean
- canBeInObjStm() Boolean
- isArray() Boolean
- equals(Object) Boolean
- hashCode() int

71. List

In package:org.purepdf.elements

Extends:Object

Implemented interfaces:IElement, ITextElementaryArray

See online:[List.as](#)

71.1. Public constants

- UNORDERED: Boolean
- ALPHABETICAL: Boolean
- UPPERCASE: Boolean
- ORDERED: Boolean
- LOWERCASE: Boolean
- NUMERICAL: Boolean

71.2. Public properties

- isEmpty [readonly] Boolean
- numbered [readwrite] Boolean
- indentationLeft [readwrite] Number
- first [readwrite] int
- size [readonly] uint
- items [readonly] Vector.<org.purepdf.elements::IElement>
- isContent [readonly] Boolean
- lowercase [readwrite] Boolean
- alignindent [readwrite] Boolean
- symbol [readwrite] Chunk
- type [readonly] int
- symbolIndent [readwrite] Number
- totalLeading [readonly] Number

- preSymbol [readwrite] String
- indentationRight [readwrite] Number
- postSymbol [readwrite] String
- lettered [readwrite] Boolean
- isNestable [readonly] Boolean
- autoindent [readwrite] Boolean

71.3. Constructor

- List(*, *)

71.4. Public methods

- getChunks() Vector.<Object>
- toString() String
- add(Object) Boolean
- normalizeIndentation() void
- process(IElementListener) Boolean

72. PdfColor

In package:org.purepdf.pdf

Extends:PdfArray, PdfObject, ObjectHash, Object

Implemented interfaces:IObject

See online:PdfColor.as

72.1. Public properties

- isEmpty [readonly] Boolean
- size [readonly] int

72.2. Constructor

- PdfColor(*, *, *)

72.3. Static methods

- create(RGBColor) PdfColor

72.4. Public methods

- contains(PdfObject) Boolean
- add2(Vector.<Number>) Boolean

- addFirst(PdfObject) void
- toString() String
- add(PdfObject) uint
- add3(Vector.<int>) Boolean
- getPdfObject(int) PdfObject
- getArrayList() Vector.<org.purepdf.pdf::PdfObject>
- toPdf(PdfWriter, IOutputStream) void
- isString() Boolean
- isDictionary() Boolean
- isIndirect() Boolean
- getIndRef() PRIIndirectReference
- getBytes() Bytes
- isNumber() Boolean
- isBoolean() Boolean
- getType() int
- isName() Boolean
- isNull() Boolean
- canBelInObjStm() Boolean
- isArray() Boolean
- equals(Object) Boolean
- hashCode() int

73. ImageWMF

In package:org.purepdf.elements.images

Extends:ImageElement, RectangleElement, Object

Implemented interfaces:IElement

See online:ImageWMF.as

73.1. Public properties

- deflated [readwrite] Boolean
- matrix [readonly] Vector.<Number>
- hasAbsoluteY [readonly] Boolean
- colorspace [readonly] int
- isInverted [readwrite] Boolean
- scaledHeight [readonly] Number
- alignment [readwrite] int
- annotation [readwrite] Annotation
- absoluteX [readonly] Number
- hasAbsoluteX [readonly] Boolean
- type [readonly] int
- templateData [readwrite] PdfTemplate

- spacingAfter [readwrite] Number
- originalType [readwrite] int
- widthPercentage [readonly] Number
- transparency [readwrite] Vector.<int>
- originalData [readwrite] ByteArray
- absoluteY [readonly] Number
- indentationRight [readonly] Number
- indentationLeft [readonly] Number
- additional [readwrite] PdfDictionary
- imageMask [readwrite] ImageElement
- layer [readonly] IPdfOCG
- spacingBefore [readwrite] Number
- scaledWidth [readonly] Number
- isImgRaw [readonly] Boolean
- isMask [readonly] Boolean
- compressionLevel [readwrite] int
- xyRatio [readwrite] Number
- rawData [readonly] ByteArray
- isInterpolated [readonly] Boolean
- isImgTemplate [readonly] Boolean
- imageRotation [readonly] Number
- isSmask [readonly] Boolean
- bpc [readonly] int
- mySerialId [readonly] Number
- url [readwrite] String
- directReference [readonly] PdfIndirectReference
- borderWidthBottom [readwrite] Number
- borderWidthLeft [readwrite] Number
- borderColorLeft [readwrite] RGBColor
- borderColorRight [readwrite] RGBColor
- borderColorTop [readwrite] RGBColor
- isNestable [readonly] Boolean
- borderColor [readwrite] RGBColor
- borderColorBottom [readwrite] RGBColor
- borderSides [writeonly] int
- isContent [readonly] Boolean
- height [readonly] Number
- grayFill [readwrite] Number
- useVariableBorders [readonly] Boolean
- width [readonly] Number
- border [readwrite] int
- borderWidth [readwrite] Number
- backgroundColor [readwrite] RGBColor
- rotation [readonly] int
- borderWidthTop [readwrite] Number

- `borderWidthRight` [readwrite] Number

73.2. Constructor

- `ImageWMF`(*)

73.3. Public methods

- `setDpi`(int, int) void
- `scaleAbsolute`(Number, Number) void
- `setRotationDegrees`(Number) void
- `setAbsolutePosition`(Number, Number) void
- `setWidthPercentage`(Number) void
- `scaleAbsoluteWidth`(Number) void
- `makeMask`() void
- `scaleToFit`(Number, Number) void
- `setRotation`(Number) void
- `scalePercent`(Number, Number) void
- `initFromImageElement`(ImageElement) void
- `scaleAbsoluteHeight`(Number) void
- `hasBorder`(int) Boolean
- `rectangle`(Number, Number) RectangleElement
- `getChunks`() Vector.<Object>
- `rotate`() RectangleElement
- `hasBorders`() Boolean
- `toString`() String
- `getTop`(Number) Number
- `setTop`(Number) void
- `getLeft`(Number) Number
- `getBottom`(Number) Number
- `disableBorderSide`(int) void
- `setBottom`(Number) void
- `enableBorderSide`(int) void
- `setRight`(Number) void
- `softCloneNonPositionParameters`(RectangleElement) void
- `normalize`() void
- `getRight`(Number) Number
- `setLeft`(Number) void
- `cloneNonPositionParameters`(RectangleElement) void
- `process`(IElementListener) Boolean

74. PdfViewPreferences

In package:org.purepdf.pdf

Extends:ObjectHash, Object

Implemented interfaces:IObject

See online:[PdfViewPreferences.as](#)

74.1. Public constants

- PageLayoutTwoPageLeft: int
- NonFullScreenPageModeUseOC: int
- PageModeUseAttachments: int
- PageLayoutTwoPageRight: int
- DirectionL2R: int
- HideToolbar: int
- PageModeUseNone: int
- NonFullScreenPageModeUseThumbs: int
- DirectionR2L: int
- HideMenubar: int
- PageModeUseOutlines: int
- PrintScalingNone: int
- HideWindowUI: int
- PageLayoutSinglePage: int
- DisplayDocTitle: int
- CenterWindow: int
- PageLayoutOneColumn: int
- NonFullScreenPageModeUseNone: int
- PageModeUseThumbs: int
- PageLayoutTwoColumnLeft: int
- NonFullScreenPageModeUseOutlines: int
- PageModeFullScreen: int
- PageLayoutTwoColumnRight: int
- FitWindow: int
- PageModeUseOC: int

74.2. Public methods

- equals(Object) Boolean
- hashCode() int

75. InflaterInputStream

In package:org.purepdf.io.zip

Extends:FilterInputStream, Object

Implemented interfaces:InputStream

See online:[InflaterInputStream.as](#)

75.1. Public properties

- size [readonly] int

75.2. Constructor

- InflaterInputStream(*)

75.3. Public methods

- readUnsignedByte() int
- readBytes(ByteArray, int, int) int
- getBuffer() InputStream

76. GifImage

In package:org.purepdf.pdf.codec

Extends:Object

See online:[GifImage.as](#)

76.1. Public properties

- framesCount [readonly] int

76.2. Constructor

- GifImage(*)

76.3. Public methods

- getImage(int) ImageElement

77. PdfContents

In package:org.purepdf.pdf

Extends:PdfStream, PdfDictionary, PdfObject, ObjectHash, Object

Implemented interfaces:IObject

See online:[PdfContents.as](http://code.google.com/p/purepdf)

77.1. Public properties

- size [readonly] int

77.2. Constructor

- PdfContents(*, *, *, *, *)

77.3. Public methods

- toString() String
- toPdf(PdfWriter, OutputStream) void
- flateCompress(int) void
- getRawLength() int
- merge(PdfDictionary) void
- getValue(PdfName) PdfObject
- mergeDifferent(PdfDictionary) void
- getAsDict(PdfName) PdfDictionary
- remove(PdfName) void
- putAll(PdfDictionary) void
- getKeys() KeySet
- getDirectObject(PdfName) PdfObject
- contains(PdfName) Boolean
- put(PdfName, PdfObject) void
- isString() Boolean
- isDictionary() Boolean
- isIndirect() Boolean
- getIndRef() PRIIndirectReference
- getBytes() Bytes
- isNumber() Boolean
- isBoolean() Boolean
- getType() int
- isName() Boolean
- isNull() Boolean
- canBeInObjStm() Boolean
- isArray() Boolean
- equals(Object) Boolean
- hashCode() int

78. LineReader

In package:org.purepdf.io

Extends:Object

Implemented interfaces:IDataInput

See online:[LineReader.as](#)

78.1. Public properties

- endian [readwrite] String
- objectEncoding [readwrite] uint
- bytesAvailable [readonly] uint

78.2. Constructor

- LineReader(*)

78.3. Public methods

- readBoolean() Boolean
- readUnsignedByte() uint
- readBytes(ByteArray, uint, uint) void
- readLine() String
- readUTF() String
- readUnsignedInt() uint
- readInt() int
- readUTFBytes(uint) String
- readShort() int
- readDouble() Number
- readByte() int
- readObject() *
- read() int
- readMultiByte(uint, String) String
- readFloat() Number
- readUnsignedShort() uint

79. DataInputStream

In package:org.purepdf.io

Extends:FilterInputStream, Object

Implemented interfaces:InputStream

See online:[DataInputStream.as](#)

79.1. Public properties

- size [readonly] int

79.2. Constructor

- DataInputStream(*)

79.3. Public methods

- readFully(ByteArray, int, int) void
- readUnsignedByte() int
- getBuffer() InputStream
- readBytes(ByteArray, int, int) int

80. HeaderFooter

In package:org.purepdf.elements

Extends:RectangleElement, Object

Implemented interfaces:IElement

See online:[HeaderFooter.as](#)

80.1. Public properties

- pageNumber [readwrite] int
- numbered [readonly] Boolean
- alignment [readwrite] int
- paragraph [readonly] Paragraph
- borderWidthBottom [readwrite] Number
- borderWidthLeft [readwrite] Number
- borderColorLeft [readwrite] RGBColor
- borderColorRight [readwrite] RGBColor
- borderColorTop [readwrite] RGBColor
- isNestable [readonly] Boolean
- borderColor [readwrite] RGBColor
- borderColorBottom [readwrite] RGBColor
- borderSides [writeonly] int
- isContent [readonly] Boolean

- height [readonly] Number
- grayFill [readwrite] Number
- type [readonly] int
- useVariableBorders [readonly] Boolean
- width [readonly] Number
- border [readwrite] int
- borderWidth [readwrite] Number
- backgroundColor [readwrite] RGBColor
- rotation [readonly] int
- borderWidthTop [readwrite] Number
- borderWidthRight [readwrite] Number

80.2. Constructor

- HeaderFooter(Phrase, Phrase, Boolean)

80.3. Public methods

- hasBorder(int) Boolean
- rectangle(Number, Number) RectangleElement
- getChunks() Vector.<Object>
- rotate() RectangleElement
- hasBorders() Boolean
- toString() String
- getTop(Number) Number
- setTop(Number) void
- getLeft(Number) Number
- getBottom(Number) Number
- disableBorderSide(int) void
- setBottom(Number) void
- enableBorderSide(int) void
- setRight(Number) void
- softCloneNonPositionParameters(RectangleElement) void
- normalize() void
- getRight(Number) Number
- setLeft(Number) void
- cloneNonPositionParameters(RectangleElement) void
- process(IElementListener) Boolean

81. PdfWriter

In package:org.purepdf.pdf
Extends:ObjectHash, Object
Implemented interfaces:IObject
See online:PdfWriter.as

81.1. Public constants

- SPACE_CHAR_RATIO_DEFAULT: Number
- RUN_DIRECTION_LTR: int
- RUN_DIRECTION_RTL: int
- BUILD_NUMBER: String
- GENERATION_MAX: int
- MAIN_VERSION: String
- RELEASE: String
- RUN_DIRECTION_DEFAULT: int
- VERSION: String
- RUN_DIRECTION_NO_BIDI: int
- BUILD_DATE: String
- NAME: String
- NO_SPACE_CHAR_RATIO: Number

81.2. Public properties

- spaceCharRatio [readonly] Number
- pageNumber [readonly] int
- rgbTransparencyBlending [readwrite] Boolean
- pdfDocument [readonly] PdfDocument
- compressionLevel [readonly] int

81.3. Constructor

- PdfWriter(Lock, ByteArray, RectangleElement)

81.4. Static methods

- create(ByteArray, RectangleElement) PdfWriter

81.5. Public methods

- addSimpleProperty(Object, PdfIndirectReference) Vector.<org.purepdf.pdf::PdfObject>
- getDefaultColorSpace() PdfDictionary
- addSimplePatternColorSpace(RGBColor) ColorDetails
- addSimpleExtGState(PdfDictionary) Vector.<org.purepdf.pdf::PdfObject>
- getDirectContentUnder() PdfContentByte
- addDirectImageSimple2(ImageElement, PdfIndirectReference) PdfName

- `getGroup()` PdfDictionary
- `setTabs(PdfName)` void
- `eliminateFontSubset(PdfDictionary)` void
- `addSimpleShadingPattern(PdfShadingPattern)` void
- `getExtraCatalog()` PdfDictionary
- `getImageReference(PdfName)` PdfIndirectReference
- `getEncryption()` PdfEncryption
- `setGroup(PdfDictionary)` void
- `setEncryption(PdfEncryption)` void
- `getOs()` OutputStreamCounter
- `getTabs()` PdfName
- `setDefaultColorSpace(PdfName, PdfObject)` void
- `isFullCompression()` Boolean
- `getInfo()` PdfDictionary
- `addToBody1(PdfObject, PdfIndirectReference)` PdfIndirectObject
- `addToBody(PdfObject)` PdfIndirectObject
- `getDirectContent()` PdfContentByte
- `isOpen()` Boolean
- `isPaused()` Boolean
- `getCurrentPageNumber()` int
- `getPageReference(int)` PdfIndirectReference
- `setOutlines(Array)` void
- `getCurrentPage()` PdfIndirectReference
- `resetContent()` void
- `isRgbTransparencyBlending()` Boolean
- `addSimpleShading(PdfShading)` void
- `addDirectImageSimple(ImageElement)` PdfName
- `addSimpleSpotColor(PdfSpotColor)` ColorDetails
- `addDirectTemplateSimple(PdfTemplate, PdfName)` PdfName
- `addSimpleFont(BaseFont)` FontDetails
- `addToBody2(PdfObject, Boolean)` PdfIndirectObject
- `addSimplePattern(PdfPatternPainter)` PdfName
- `equals(Object)` Boolean
- `hashCode()` int

82. FontDetails

In package:org.purepdf.pdf.fonts

Extends:ObjectHash, Object

Implemented interfaces:IObject

See online:[FontDetails.as](http://code.google.com/p/purepdf/wiki/FontDetails)

82.1. Public properties

- `baseFont` [readonly] BaseFont
- `indirectReference` [readonly] PdfIndirectReference
- `fontName` [readonly] PdfName
- `subset` [readwrite] Boolean
- `symbolic` [readonly] Boolean
- `fontType` [readonly] int

82.2. Constructor

- `FontDetails`(PdfName, PdfIndirectReference, BaseFont)

82.3. Public methods

- `convertToBytes`(String) Bytes
- `writeFont`(PdfWriter) void
- `equals`(Object) Boolean
- `hashCode`() int

83. ColorDetails

In package:org.purepdf.pdf

Extends:ObjectHash, Object

Implemented interfaces:IObject

See online:[ColorDetails.as](#)

83.1. Public properties

- `colorName` [readonly] PdfName
- `indirectReference` [readonly] PdfIndirectReference

83.2. Constructor

- `ColorDetails`(*, *, *)

83.3. Public methods

- `equals`(Object) Boolean
- `hashCode`() int

84. ICMMap

In package:org.purepdf.resources

See online:ICMap.as

84.1. Public properties

- chars [readonly] Vector.<int>

84.2. Public methods

- load(ByteArray) void

85. PdfSpotColor

In package:org.purepdf.pdf

Extends:ObjectHash, Object

Implemented interfaces:IObject

See online:PdfSpotColor.as

85.1. Public properties

- alternativeCS [readonly] RGBColor

85.2. Constructor

- PdfSpotColor(*, *)

85.3. Public methods

- equals(Object) Boolean
- hashCode() int

86. PdfNumber

In package:org.purepdf.pdf

Extends:PdfObject, ObjectHash, Object

Implemented interfaces:IObject

See online:PdfNumber.as

86.1. Constructor

- PdfNumber(*)

86.2. Public methods

- intValue() int
- increment() void
- floatValue() Number
- isString() Boolean
- isDictionary() Boolean
- isIndirect() Boolean
- toPdf(PdfWriter, OutputStream) void
- getIndRef() PRTIndirectReference
- getBytes() Bytes
- isNumber() Boolean
- toString() String
- isBoolean() Boolean
- getType() int
- isName() Boolean
- isNull() Boolean
- canBeInObjStm() Boolean
- isArray() Boolean
- equals(Object) Boolean
- hashCode() int

87. FontsResourceFactory

In package:org.purepdf.pdf.fonts

Extends:Object

See online:[FontsResourceFactory.as](#)

87.1. Constructor

- FontsResourceFactory(Lock)

87.2. Static methods

- getInstance() FontsResourceFactory

87.3. Public methods

- `getFontFile(String) ByteArray`
- `fontIsRegistered(String) Boolean`
- `registerFont(String, ByteArray) void`

88. PdfTransparencyGroup

In package:org.purepdf.pdf

Extends:PdfDictionary, PdfObject, ObjectHash, Object

Implemented interfaces:IObject

See online:[PdfTransparencyGroup.as](http://code.google.com/p/purepdf/wiki/PdfTransparencyGroup.as)

88.1. Public properties

- `knockout` [writeonly] Boolean
- `isolated` [writeonly] Boolean
- `size` [readonly] int

88.2. Public methods

- `merge(PdfDictionary) void`
- `getValue(PdfName) PdfObject`
- `toPdf(PdfWriter, IOutputStream) void`
- `mergeDifferent(PdfDictionary) void`
- `toString() String`
- `getAsDict(PdfName) PdfDictionary`
- `remove(PdfName) void`
- `putAll(PdfDictionary) void`
- `getKeys() KeySet`
- `getDirectObject(PdfName) PdfObject`
- `contains(PdfName) Boolean`
- `put(PdfName, PdfObject) void`
- `isString() Boolean`
- `isDictionary() Boolean`
- `isIndirect() Boolean`
- `getIndRef() PRIndirectReference`
- `getBytes() Bytes`
- `isNumber() Boolean`
- `isBoolean() Boolean`
- `getType() int`
- `isName() Boolean`
- `isNull() Boolean`
- `canBeInObjStm() Boolean`
- `isArray() Boolean`
- `equals(Object) Boolean`

- hashCode() int

89. SpotColor

In package:org.purepdf.colors

Extends:ExtendedColor, RGBColor, ObjectHash, Object

Implemented interfaces:IObject

See online:[SpotColor.as](#)

89.1. Public properties

- pdfSpotColor [readonly] PdfSpotColor
- tint [readonly] Number
- type [readonly] int
- alpha [readonly] int
- rgb [readonly] int
- green [readonly] int
- red [readonly] int
- blue [readonly] int

89.2. Constructor

- SpotColor(*, *)

89.3. Public methods

- hashCode() int
- equals(Object) Boolean
- validate(int) void
- darker() RGBColor
- setValue(int, int, int, int) void

90. StreamFont

In package:org.purepdf.pdf.fonts

Extends:PdfStream, PdfDictionary, PdfObject, ObjectHash, Object

Implemented interfaces:IObject

See online:[StreamFont.as](#)

90.1. Public properties

- size [readonly] int

90.2. Constructor

- StreamFont(*, *)

90.3. Static methods

- create(Bytes, Vector.<int>, int) StreamFont
- create2(Bytes, String, int) StreamFont

90.4. Public methods

- toString() String
- toPdf(PdfWriter, OutputStream) void
- flateCompress(int) void
- getRawLength() int
- merge(PdfDictionary) void
- getValue(PdfName) PdfObject
- mergeDifferent(PdfDictionary) void
- getAsDict(PdfName) PdfDictionary
- remove(PdfName) void
- putAll(PdfDictionary) void
- getKeys() KeySet
- getDirectObject(PdfName) PdfObject
- contains(PdfName) Boolean
- put(PdfName, PdfObject) void
- isString() Boolean
- isDictionary() Boolean
- isIndirect() Boolean
- getIndRef() PIndirectReference
- getBytes() Bytes
- isNumber() Boolean
- isBoolean() Boolean
- getType() int
- isName() Boolean
- isNull() Boolean
- canBeInObjStm() Boolean
- isArray() Boolean
- equals(Object) Boolean
- hashCode() int

91. PdfOutline

In package:org.purepdf.pdf

Extends:PdfDictionary, PdfObject, ObjectHash, Object

Implemented interfaces:IObject

See online:[PdfOutline.as](http://code.google.com/p/purepdf)

91.1. Public properties

- color [readwrite] RGBColor
- parent [readonly] PdfOutline
- kids [readwrite] Vector.<org.purepdf.pdf::PdfOutline>
- tag [readwrite] String
- style [readwrite] int
- title [readwrite] String
- writer [readwrite] PdfWriter
- open [writeonly] Boolean
- level [readonly] int
- count [readwrite] int
- opened [readonly] Boolean
- indirectReference [readwrite] PdfIndirectReference
- size [readonly] int

91.2. Constructor

- PdfOutline(PdfWriter)

91.3. Static methods

- create(PdfOutline, PdfDestination, Paragraph, Boolean) PdfOutline

91.4. Public methods

- addKid(PdfOutline) void
- setDestinationPage(PdfIndirectReference) Boolean
- toPdf(PdfWriter, IOutputStream) void
- merge(PdfDictionary) void
- getValue(PdfName) PdfObject
- mergeDifferent(PdfDictionary) void
- toString() String
- getAsDict(PdfName) PdfDictionary
- remove(PdfName) void
- putAll(PdfDictionary) void
- getKeys() KeySet

- `getDirectObject(PdfName)` PdfObject
- `contains(PdfName)` Boolean
- `put(PdfName, PdfObject)` void
- `isString()` Boolean
- `isDictionary()` Boolean
- `isIndirect()` Boolean
- `getIndRef()` PIndirectReference
- `getBytes()` Bytes
- `isNumber()` Boolean
- `isBoolean()` Boolean
- `getType()` int
- `isName()` Boolean
- `isNull()` Boolean
- `canBeInObjStm()` Boolean
- `isArray()` Boolean
- `equals(Object)` Boolean
- `hashCode()` int

92. IPdfPCellEvent

In package:org.purepdf.pdf.interfaces

See online:[IPdfPCellEvent.as](#)

92.1. Public methods

- `cellLayout(PdfPCell, RectangleElement, Vector.<org.purepdf.pdf::PdfContentByte>)` void

93. PageSize

In package:org.purepdf.pdf

Extends:ObjectHash, Object

Implemented interfaces:IObject

See online:[PageSize.as](#)

93.1. Public constants

- `A4`: ReadOnlyRectangle
- `SMALL_PAPERBACK`: ReadOnlyRectangle
- `B0`: ReadOnlyRectangle
- `A8`: ReadOnlyRectangle
- `HALFLETTER`: ReadOnlyRectangle
- `B5`: ReadOnlyRectangle
- `A2`: ReadOnlyRectangle
- `ROYAL_OCTAVO`: ReadOnlyRectangle

- `_11X17`: `ReadOnlyRectangle`
- `B4`: `ReadOnlyRectangle`
- `ARCH_C`: `ReadOnlyRectangle`
- `CROWN_QUARTO`: `ReadOnlyRectangle`
- `B7`: `ReadOnlyRectangle`
- `A1`: `ReadOnlyRectangle`
- `B2`: `ReadOnlyRectangle`
- `A10`: `ReadOnlyRectangle`
- `FLSE`: `ReadOnlyRectangle`
- `DEMY_OCTAVO`: `ReadOnlyRectangle`
- `B1`: `ReadOnlyRectangle`
- `PENGUIN_LARGE_PAPERBACK`: `ReadOnlyRectangle`
- `ARCH_D`: `ReadOnlyRectangle`
- `A3`: `ReadOnlyRectangle`
- `FLSA`: `ReadOnlyRectangle`
- `DEMY_QUARTO`: `ReadOnlyRectangle`
- `A9`: `ReadOnlyRectangle`
- `LETTER`: `ReadOnlyRectangle`
- `PENGUIN_SMALL_PAPERBACK`: `ReadOnlyRectangle`
- `B10`: `ReadOnlyRectangle`
- `ARCH_A`: `ReadOnlyRectangle`
- `LEDGER`: `ReadOnlyRectangle`
- `B8`: `ReadOnlyRectangle`
- `ID_1`: `ReadOnlyRectangle`
- `POSTCARD`: `ReadOnlyRectangle`
- `B3`: `ReadOnlyRectangle`
- `ARCH_B`: `ReadOnlyRectangle`
- `LARGE_CROWN_OCTAVO`: `ReadOnlyRectangle`
- `ROYAL_QUARTO`: `ReadOnlyRectangle`
- `A7`: `ReadOnlyRectangle`
- `LARGE_CROWN_QUARTO`: `ReadOnlyRectangle`
- `B9`: `ReadOnlyRectangle`
- `A0`: `ReadOnlyRectangle`
- `CROWN_OCTAVO`: `ReadOnlyRectangle`
- `B6`: `ReadOnlyRectangle`
- `A5`: `ReadOnlyRectangle`
- `ARCH_E`: `ReadOnlyRectangle`
- `A6`: `ReadOnlyRectangle`
- `ID_2`: `ReadOnlyRectangle`
- `ID_3`: `ReadOnlyRectangle`

93.2. Static methods

- `create(int, int) RectangleElement`
- `getRectangle(String) RectangleElement`

93.3. Public methods

- `equals(Object) Boolean`
- `hashCode() int`

94. ImgCCITT

In package:org.purepdf.elements.images

Extends:ImageElement, RectangleElement, Object

Implemented interfaces:IElement

See online:imgccitt.as

94.1. Public properties

- deflated [readwrite] Boolean
- matrix [readonly] Vector.<Number>
- hasAbsoluteY [readonly] Boolean
- colorspace [readonly] int
- isInverted [readwrite] Boolean
- scaledHeight [readonly] Number
- alignment [readwrite] int
- annotation [readwrite] Annotation
- absoluteX [readonly] Number
- hasAbsoluteX [readonly] Boolean
- type [readonly] int
- templateData [readwrite] PdfTemplate
- spacingAfter [readwrite] Number
- originalType [readwrite] int
- widthPercentage [readonly] Number
- transparency [readwrite] Vector.<int>
- originalData [readwrite] ByteArray
- absoluteY [readonly] Number
- indentationRight [readonly] Number
- indentationLeft [readonly] Number
- additional [readwrite] PdfDictionary
- imageMask [readwrite] ImageElement
- layer [readonly] IPdfOCG
- spacingBefore [readwrite] Number
- scaledWidth [readonly] Number
- isImgRaw [readonly] Boolean
- isMask [readonly] Boolean
- compressionLevel [readwrite] int
- xyRatio [readwrite] Number
- rawData [readonly] ByteArray
- isInterpolated [readonly] Boolean
- isImgTemplate [readonly] Boolean
- imageRotation [readonly] Number
- isSmask [readonly] Boolean
- bpc [readonly] int

- mySerialId [readonly] Number
- url [readwrite] String
- directReference [readonly] PdfIndirectReference
- borderWidthBottom [readwrite] Number
- borderWidthLeft [readwrite] Number
- borderColorLeft [readwrite] RGBColor
- borderColorRight [readwrite] RGBColor
- borderColorTop [readwrite] RGBColor
- isNestable [readonly] Boolean
- borderColor [readwrite] RGBColor
- borderColorBottom [readwrite] RGBColor
- borderSides [writeonly] int
- isContent [readonly] Boolean
- height [readonly] Number
- grayFill [readwrite] Number
- useVariableBorders [readonly] Boolean
- width [readonly] Number
- border [readwrite] int
- borderWidth [readwrite] Number
- backgroundColor [readwrite] RGBColor
- rotation [readonly] int
- borderWidthTop [readwrite] Number
- borderWidthRight [readwrite] Number

94.2. Constructor

- ImgCCITT(*, *, *, *, *, *, *)

94.3. Public methods

- setDpi(int, int) void
- scaleAbsolute(Number, Number) void
- setRotationDegrees(Number) void
- setAbsolutePosition(Number, Number) void
- setWidthPercentage(Number) void
- scaleAbsoluteWidth(Number) void
- makeMask() void
- scaleToFit(Number, Number) void
- setRotation(Number) void
- scalePercent(Number, Number) void
- initFromImageElement(ImageElement) void
- scaleAbsoluteHeight(Number) void
- hasBorder(int) Boolean
- rectangle(Number, Number) RectangleElement
- getChunks() Vector.<Object>

- rotate() RectangleElement
- hasBorders() Boolean
- toString() String
- getTop(Number) Number
- setTop(Number) void
- getLeft(Number) Number
- getBottom(Number) Number
- disableBorderSide(int) void
- setBottom(Number) void
- enableBorderSide(int) void
- setRight(Number) void
- softCloneNonPositionParameters(RectangleElement) void
- normalize() void
- getRight(Number) Number
- setLeft(Number) void
- cloneNonPositionParameters(RectangleElement) void
- process(IElementListener) Boolean

95. PdfAction

In package:org.purepdf.pdf

Extends:PdfDictionary, PdfObject, ObjectHash, Object

Implemented interfaces:IObject

See online:[PdfAction.as](http://code.google.com/p/purepdf/wiki/PdfAction.as)

95.1. Public constants

- FIRSTPAGE: int
- PRINTDIALOG: int
- NEXTPAGE: int
- PREVPAGE: int
- LASTPAGE: int

95.2. Public properties

- size [readonly] int

95.3. Static methods

- javascript(String, PdfWriter, Boolean) PdfAction
- fromURL(String, Boolean) PdfAction
- fromNamed(int) PdfAction
- fromDestination(PdfIndirectReference) PdfAction

95.4. Public methods

- merge(PdfDictionary) void
- getValue(PdfName) PdfObject
- toPdf(PdfWriter, OutputStream) void
- mergeDifferent(PdfDictionary) void
- toString() String
- getAsDict(PdfName) PdfDictionary
- remove(PdfName) void
- putAll(PdfDictionary) void
- getKeys() KeySet
- getDirectObject(PdfName) PdfObject
- contains(PdfName) Boolean
- put(PdfName, PdfObject) void
- isString() Boolean
- isDictionary() Boolean
- isIndirect() Boolean
- getIndRef() PRTIndirectReference
- getBytes() Bytes
- isNumber() Boolean
- isBoolean() Boolean
- getType() int
- isName() Boolean
- isNull() Boolean
- canBeInObjStm() Boolean
- isArray() Boolean
- equals(Object) Boolean
- hashCode() int

96. ShadingColor

In package:org.purepdf.colors

Extends:ExtendedColor, RGBColor, ObjectHash, Object

Implemented interfaces:LObject

See online:[ShadingColor.as](#)

96.1. Public properties

- shadingPattern [readonly] PdfShadingPattern
- type [readonly] int
- alpha [readonly] int
- rgb [readonly] int
- green [readonly] int
- red [readonly] int

- `blue` [readonly] int

96.2. Constructor

- `ShadingColor(*)`

96.3. Public methods

- `equals(Object)` Boolean
- `hashCode()` int
- `validate(int)` void
- `darker()` RGBColor
- `setValue(int, int, int, int)` void

97. PdfAnnotation

In package:org.purepdf.pdf

Extends:PdfDictionary, PdfObject, ObjectHash, Object

Implemented interfaces:IObjct

See online:[PdfAnnotation.as](#)

97.1. Public constants

- `APPEARANCE_ROLLOVER`: PdfName
- `APPEARANCE_NORMAL`: PdfName
- `AA_ENTER`: PdfName
- `MARKUP_SQUIGGLY`: int
- `FLAGS_INVISIBLE`: int
- `FLAGS_HIDDEN`: int
- `AA_EXIT`: PdfName
- `MARKUP_UNDERLINE`: int
- `FLAGS_NOROTATE`: int
- `FLAGS_LOCKED`: int
- `AA_FOCUS`: PdfName
- `HIGHLIGHT_PUSH`: PdfName
- `FLAGS_NOZOOM`: int
- `FLAGS_NOVIEW`: int
- `FLAGS_PRINT`: int
- `MARKUP_HIGHLIGHT`: int
- `AA_JS_CHANGE`: PdfName
- `AA_JS_FORMAT`: PdfName
- `MARKUP_STRIKEOUT`: int
- `FLAGS_READONLY`: int
- `AA_JS_KEY`: PdfName
- `FLAGS_TOGGLENOVIEW`: int
- `HIGHLIGHT_NONE`: PdfName
- `HIGHLIGHT_INVERT`: PdfName
- `AA_JS_OTHER_CHANGE`: PdfName
- `AA_BLUR`: PdfName

- HIGHLIGHT_OUTLINE: PdfName
- APPEARANCE_DOWN: PdfName
- AA_UP: PdfName
- AA_DOWN: PdfName
- HIGHLIGHT_TOGGLE: PdfName

97.2. Public properties

- flags [writeonly] int
- writer [readwrite] PdfWriter
- popup [writeonly] PdfAnnotation
- isForm [readonly] Boolean
- form [readwrite] Boolean
- templates [readwrite] HashMap
- placeInPage [readonly] int
- mkBorderColor [writeonly] RGBColor
- action [writeonly] PdfAction
- appearanceState [writeonly] String
- annotation [readwrite] Boolean
- isAnnotation [readonly] Boolean
- mkRotation [writeonly] int
- borderStyle [writeonly] PdfBorderDictionary
- mkBackgroundColor [writeonly] RGBColor
- defaultAppearanceString [writeonly] PdfContentByte
- size [readonly] int

97.3. Constructor

- PdfAnnotation(*, *, *)

97.4. Static methods

- createFileAttachment(PdfWriter, RectangleElement, String, ByteArray, String) PdfAnnotation
- createAction(PdfWriter, RectangleElement, PdfAction) PdfAnnotation
- createText(RectangleElement, String, String, Boolean, String) PdfAnnotation
- getMKColor(RGBColor) PdfArray

97.5. Public methods

- setUsed() void
- getUsed() Boolean
- indirectReference() PdfIndirectReference
- setAdditionalActions(PdfName, PdfAction) void
- setAppearanceState(PdfName, String, PdfTemplate) void
- setAppearance(PdfName, PdfTemplate) void
- merge(PdfDictionary) void
- getValue(PdfName) PdfObject

- toPdf(PdfWriter, OutputStream) void
- mergeDifferent(PdfDictionary) void
- toString() String
- getAsDict(PdfName) PdfDictionary
- remove(PdfName) void
- putAll(PdfDictionary) void
- getKeys() KeySet
- getDirectObject(PdfName) PdfObject
- contains(PdfName) Boolean
- put(PdfName, PdfObject) void
- isString() Boolean
- isDictionary() Boolean
- isIndirect() Boolean
- getIndRef() PIndirectReference
- getBytes() Bytes
- isNumber() Boolean
- isBoolean() Boolean
- getType() int
- isName() Boolean
- isNull() Boolean
- canBeInObjStm() Boolean
- isArray() Boolean
- equals(Object) Boolean
- hashCode() int

98. DocumentError

In package:org.purepdf.errors

Extends:Error, Object

See online:[DocumentError.as](#)

98.1. Public properties

- errorID [readonly] int

98.2. Constructor

- DocumentError(*, *)

98.3. Public methods

- getStackTrace() String

99. PdfLiteral

In package:org.purepdf.pdf

Extends:PdfObject, ObjectHash, Object

Implemented interfaces:IObject

See online:[PdfLiteral.as](http://code.google.com/p/purepdf/wiki/PdfLiteral.as)

99.1. Public properties

- position [readonly] int

99.2. Constructor

- PdfLiteral(String)

99.3. Public methods

- toString() String
- toPdf(PdfWriter, OutputStream) void
- isString() Boolean
- isDictionary() Boolean
- isIndirect() Boolean
- getIndRef() PRIIndirectReference
- getBytes() Bytes
- isNumber() Boolean
- isBoolean() Boolean
- getType() int
- isName() Boolean
- isNull() Boolean
- canBeInObjStm() Boolean
- isArray() Boolean
- equals(Object) Boolean
- hashCode() int

100. Paragraph

In package:org.purepdf.elements

Extends:Phrase, Object

Implemented interfaces:ITextElementaryArray, IElement, Iterable

See online:[Paragraph.as](http://code.google.com/p/purepdf/wiki/Paragraph.as)

100.1. Public properties

- `keepTogether` [readwrite] Boolean
- `totalLeading` [readonly] Number
- `spacingBefore` [readwrite] Number
- `spacingAfter` [readwrite] Number
- `indentationRight` [readwrite] Number
- `type` [readonly] int
- `indentationLeft` [readwrite] Number
- `firstLineIndent` [readwrite] Number
- `extraParagraphSpace` [readwrite] Number
- `multipliedLeading` [readonly] Number
- `alignment` [readwrite] int
- `size` [readonly] uint
- `hasLeading` [readonly] Boolean
- `isNestable` [readonly] Boolean
- `isContent` [readonly] Boolean
- `font` [readwrite] Font
- `leading` [readwrite] Number
- `isEmpty` [readonly] Boolean

100.2. Constructor

- `Paragraph(String, Font)`

100.3. Static methods

- `fromPhrase(Phrase) Paragraph`
- `fromChunk(Chunk, Number) Paragraph`

100.4. Public methods

- `setAlignment(String) void`
- `add(Object) Boolean`
- `setLeading(Number, Number) void`
- `toString() String`
- `getChunks() Vector.<Object>`
- `iterator() Iterator`
- `initFromPhrase(Phrase) void`
- `insert(int, Object) void`
- `getValue(int) Object`
- `addAll(Iterable) Boolean`
- `process(IElementListener) Boolean`

101. PdfRectangle

In package:org.purepdf.pdf

Extends:PdfArray, PdfObject, ObjectHash, Object

Implemented interfaces:IObject

See online:[PdfRectangle.as](#)

101.1. Public properties

- top [readonly] Number
- width [readonly] Number
- height [readonly] Number
- left [readonly] Number
- right [readonly] Number
- bottom [readonly] Number
- isEmpty [readonly] Boolean
- size [readonly] int

101.2. Constructor

- PdfRectangle(*, *, *, *, *)

101.3. Static methods

- createFromRectangle(RectangleElement) PdfRectangle
- create(RectangleElement, int) PdfRectangle

101.4. Public methods

- getRectangle() RectangleElement
- rotate() PdfRectangle
- add(PdfObject) uint
- toString() String
- contains(PdfObject) Boolean
- add2(Vector.<Number>) Boolean
- addFirst(PdfObject) void
- add3(Vector.<int>) Boolean
- getPdfObject(int) PdfObject
- getArrayList() Vector.<org.purepdf.pdf::PdfObject>
- toPdf(PdfWriter, IOOutputStream) void
- isString() Boolean
- isDictionary() Boolean
- isIndirect() Boolean
- getIndRef() PRIndirectReference

- `getBytes()` Bytes
- `isNumber()` Boolean
- `isBoolean()` Boolean
- `getType()` int
- `isName()` Boolean
- `isNull()` Boolean
- `canBelInObjStm()` Boolean
- `isArray()` Boolean
- `equals(Object)` Boolean
- `hashCode()` int

102. PdfPages

In package:org.purepdf.pdf

Extends:ObjectHash, Object

Implemented interfaces:IObject

See online:PdfPages.as

102.1. Constructor

- `PdfPages(PdfWriter)`

102.2. Public methods

- `writePageTree()` PdfIndirectReference
- `addPageRef(PdfIndirectReference)` PdfIndirectReference
- `addPage(PdfDictionary)` void
- `getTopParent()` PdfIndirectReference
- `equals(Object)` Boolean
- `hashCode()` int

103. Jpeg

In package:org.purepdf.elements.images

Extends:ImageElement, RectangleElement, Object

Implemented interfaces:IElement

See online:Jpeg.as

103.1. Public constants

- UNSUPPORTED_MARKER: int
- JFIF_ID: Vector.<int>
- NOPARAM_MARKER: int
- VALID_MARKER: int
- NOPARAM_MARKERS: Vector.<int>
- M_APP0: int
- NOT_A_MARKER: int
- VALID_MARKERS: Vector.<int>
- UNSUPPORTED_MARKERS: Vector.<int>
- M_APP2: int
- M_APPE: int

103.2. Public properties

- deflated [readwrite] Boolean
- matrix [readonly] Vector.<Number>
- hasAbsoluteY [readonly] Boolean
- colorspace [readonly] int
- isInverted [readwrite] Boolean
- scaledHeight [readonly] Number
- alignment [readwrite] int
- annotation [readwrite] Annotation
- absoluteX [readonly] Number
- hasAbsoluteX [readonly] Boolean
- type [readonly] int
- templateData [readwrite] PdfTemplate
- spacingAfter [readwrite] Number
- originalType [readwrite] int
- widthPercentage [readonly] Number
- transparency [readwrite] Vector.<int>
- originalData [readwrite] ByteArray
- absoluteY [readonly] Number
- indentationRight [readonly] Number
- indentationLeft [readonly] Number
- additional [readwrite] PdfDictionary
- imageMask [readwrite] ImageElement
- layer [readonly] IPdfOCG
- spacingBefore [readwrite] Number
- scaledWidth [readonly] Number
- isImgRaw [readonly] Boolean
- isMask [readonly] Boolean
- compressionLevel [readwrite] int
- xyRatio [readwrite] Number
- rawData [readonly] ByteArray
- isInterpolated [readonly] Boolean
- isImgTemplate [readonly] Boolean

- `imageRotation` [readonly] Number
- `isSmask` [readonly] Boolean
- `bpc` [readonly] int
- `mySerialId` [readonly] Number
- `url` [readwrite] String
- `directReference` [readonly] PdfIndirectReference
- `borderWidthBottom` [readwrite] Number
- `borderWidthLeft` [readwrite] Number
- `borderColorLeft` [readwrite] RGBColor
- `borderColorRight` [readwrite] RGBColor
- `borderColorTop` [readwrite] RGBColor
- `isNestable` [readonly] Boolean
- `borderColor` [readwrite] RGBColor
- `borderColorBottom` [readwrite] RGBColor
- `borderSides` [writeonly] int
- `isContent` [readonly] Boolean
- `height` [readonly] Number
- `grayFill` [readwrite] Number
- `useVariableBorders` [readonly] Boolean
- `width` [readonly] Number
- `border` [readwrite] int
- `borderWidth` [readwrite] Number
- `backgroundColor` [readwrite] RGBColor
- `rotation` [readonly] int
- `borderWidthTop` [readwrite] Number
- `borderWidthRight` [readwrite] Number

103.3. Constructor

- `Jpeg(*)`

103.4. Public methods

- `setDpi(int, int) void`
- `scaleAbsolute(Number, Number) void`
- `setRotationDegrees(Number) void`
- `setAbsolutePosition(Number, Number) void`
- `setWidthPercentage(Number) void`
- `scaleAbsoluteWidth(Number) void`
- `makeMask() void`
- `scaleToFit(Number, Number) void`
- `setRotation(Number) void`
- `scalePercent(Number, Number) void`
- `initFromImageElement(ImageElement) void`
- `scaleAbsoluteHeight(Number) void`

- `hasBorder(int)` Boolean
- `rectangle(Number, Number)` RectangleElement
- `getChunks()` Vector.<Object>
- `rotate()` RectangleElement
- `hasBorders()` Boolean
- `toString()` String
- `getTop(Number)` Number
- `setTop(Number)` void
- `getLeft(Number)` Number
- `getBottom(Number)` Number
- `disableBorderSide(int)` void
- `setBottom(Number)` void
- `enableBorderSide(int)` void
- `setRight(Number)` void
- `softCloneNonPositionParameters(RectangleElement)` void
- `normalize()` void
- `getRight(Number)` Number
- `setLeft(Number)` void
- `cloneNonPositionParameters(RectangleElement)` void
- `process(IElementListener)` Boolean

104. Element

In package:org.purepdf.elements

Extends:Object

See online:[Element.as](#)

104.1. Public constants

- `AUTHOR`: int
- `CHUNK`: int
- `CHAPTER`: int
- `JPEG2000`: int
- `CREATOR`: int
- `ALIGN_CENTER`: int
- `SUBJECT`: int
- `KEYWORDS`: int
- `ALIGN_JUSTIFIED`: int
- `CCITTG3_1D`: int
- `CCITTG4`: int
- `SECTION`: int
- `CCITT_ENDOFBLOCK`: int
- `MARKED`: int
- `ANNOTATION`: int

- PHRASE: int
- IMGRAW: int
- CREATIONDATE: int
- PARAGRAPH: int
- ALIGN_BASELINE: int
- PTABLE: int
- LIST: int
- ALIGN_BOTTOM: int
- PRODUCER: int
- IMGTEMPLATE: int
- ALIGN_RIGHT: int
- ALIGN_MIDDLE: int
- JPEG: int
- ALIGN_JUSTIFIED_ALL: int
- YMARK: int
- CCITTG3_2D: int
- CCITT_ENDOFLINE: int
- RECTANGLE: int
- ALIGN_TOP: int
- ALIGN_LEFT: int
- MULTI_COLUMN_TEXT: int
- HEADER: int
- LISTITEM: int
- TABLE: int
- ALIGN_UNDEFINED: int
- ANCHOR: int
- CELL: int
- JBIG2: int
- CCITT_ENCODEDBYTEALIGN: int
- TITLE: int
- CCITT_BLACKIS1: int

105. TiffImage

In package:org.purepdf.pdf.codec

Extends:Object

See online:TiffImage.as

106. SpecialSymbol

In package:org.purepdf.lang

Extends:Object

See online:[SpecialSymbol.as](#)

106.1. Static methods

- `getChunk(int, Font) Chunk`
- `index(String) int`
- `getCorrespondingSymbol(int) String`

107. PdfCatalog

In package:org.purepdf.pdf

Extends:PdfDictionary, PdfObject, ObjectHash, Object

Implemented interfaces:IObject

See online:[PdfCatalog.as](#)

107.1. Public properties

- `size [readonly] int`

107.2. Constructor

- `PdfCatalog(*, *)`

107.3. Public methods

- `addNames(HashMap, HashMap, HashMap, PdfWriter) void`
- `setAdditionalActions(PdfDictionary) void`
- `merge(PdfDictionary) void`
- `getValue(PdfName) PdfObject`
- `toPdf(PdfWriter, IOutputStream) void`
- `mergeDifferent(PdfDictionary) void`
- `toString() String`
- `getAsDict(PdfName) PdfDictionary`
- `remove(PdfName) void`
- `putAll(PdfDictionary) void`
- `getKeys() KeySet`
- `getDirectObject(PdfName) PdfObject`
- `contains(PdfName) Boolean`
- `put(PdfName, PdfObject) void`
- `isString() Boolean`
- `isDictionary() Boolean`
- `isIndirect() Boolean`

- getIndRef() PRIndirectReference
- getBytes() Bytes
- isNumber() Boolean
- isBoolean() Boolean
- getType() int
- isName() Boolean
- isNull() Boolean
- canBeInObjStm() Boolean
- isArray() Boolean
- equals(Object) Boolean
- hashCode() int

108. ReadOnlyRectangle

In package:org.purepdf.elements

Extends:RectangleElement, Object

Implemented interfaces:IElement

See online:[ReadOnlyRectangle.as](#)

108.1. Public properties

- borderWidthLeft [readwrite] Number
- borderColorLeft [readwrite] RGBColor
- grayFill [readwrite] Number
- borderColorBottom [readwrite] RGBColor
- borderColorTop [readwrite] RGBColor
- backgroundColor [readwrite] RGBColor
- borderWidthBottom [readwrite] Number
- borderColorRight [readwrite] RGBColor
- borderWidth [readwrite] Number
- borderColor [readwrite] RGBColor
- borderSides [writeonly] int
- borderWidthRight [readwrite] Number
- borderWidthBottom [readwrite] Number
- borderWidthLeft [readwrite] Number
- borderColorLeft [readwrite] RGBColor
- borderColorRight [readwrite] RGBColor
- borderColorTop [readwrite] RGBColor
- isNestable [readonly] Boolean
- borderColor [readwrite] RGBColor
- borderColorBottom [readwrite] RGBColor
- isContent [readonly] Boolean
- height [readonly] Number

- grayFill [readwrite] Number
- type [readonly] int
- useVariableBorders [readonly] Boolean
- width [readonly] Number
- border [readwrite] int
- borderWidth [readwrite] Number
- backgroundColor [readwrite] RGBColor
- rotation [readonly] int
- borderWidthTop [readwrite] Number
- borderWidthRight [readwrite] Number

108.2. Constructor

- ReadOnlyRectangle(Number, Number, Number, Number)

108.3. Public methods

- disableBorderSide(int) void
- enableBorderSide(int) void
- normalize() void
- setTop(Number) void
- setBottom(Number) void
- setLeft(Number) void
- setRight(Number) void
- hasBorder(int) Boolean
- rectangle(Number, Number) RectangleElement
- getChunks() Vector.<Object>
- rotate() RectangleElement
- hasBorders() Boolean
- toString() String
- getTop(Number) Number
- getLeft(Number) Number
- getBottom(Number) Number
- softCloneNonPositionParameters(RectangleElement) void
- getRight(Number) Number
- cloneNonPositionParameters(RectangleElement) void
- process(IElementListener) Boolean

109. FontFactory

In package:org.purepdf.factories

Extends:Object

See online:[FontFactory.as](http://code.google.com/p/purepdf/wiki/FontFactory.as)

109.1. Static methods

- `getFont(String, String, Boolean, Number, int, RGBColor) Font`

110. GraphicState

In package:org.purepdf.pdf

Extends:ObjectHash, Object

Implemented interfaces:IObject

See online:[GraphicState.as](http://code.google.com/p/purepdf/wiki/GraphicState.as)

110.1. Static methods

- `create(GraphicState) GraphicState`

110.2. Public methods

- `equals(Object) Boolean`
- `hashCode() int`

111. PdfFont

In package:org.purepdf.pdf

Extends:ObjectHash, Object

Implemented interfaces:IComparable, IObject

See online:[PdfFont.as](http://code.google.com/p/purepdf/wiki/PdfFont.as)

111.1. Public properties

- `size [readonly] Number`
- `image [writeonly] ImageElement`
- `width [readonly] Number`
- `font [readonly] BaseFont`

111.2. Constructor

- `PdfFont(BaseFont, Number)`

111.3. Public methods

- getWidth(Object) Number
- compareTo(Object) int
- equals(Object) Boolean
- hashCode() int

112. TrueTypeFontSubSet

In package:org.purepdf.pdf.fonts

Extends:Object

See online:[TrueTypeFontSubSet.as](#)

112.1. Public constants

- tableNamesExtra: Vector.<String>
- WE_HAVE_A_TWO_BY_TWO: int
- WE_HAVE_AN_X_AND_Y_SCALE: int
- TABLE_OFFSET: int
- HEAD_LOCA_FORMAT_OFFSET: int
- tableNamesCmap: Vector.<String>
- tableNamesSimple: Vector.<String>
- MORE_COMPONENTS: int
- WE_HAVE_A_SCALE: int
- TABLE_CHECKSUM: int
- entrySelectors: Vector.<int>
- ARG_1_AND_2_ARE_WORDS: int
- TABLE_LENGTH: int

112.2. Constructor

- TrueTypeFontSubSet(*, *, *, *, *)

113. RGBColor

In package:org.purepdf.colors

Extends:ObjectHash, Object

Implemented interfaces:IObject

See online:[RGBColor.as](#)

113.1. Public constants

- CYAN: RGBColor
- YELLOW: RGBColor
- LIGHT_GRAY: RGBColor
- BLUE: RGBColor
- MAGENTA: RGBColor
- GRAY: RGBColor
- DARK_GRAY: RGBColor
- ORANGE: RGBColor
- GREEN: RGBColor
- RED: RGBColor
- PINK: RGBColor
- WHITE: RGBColor
- BLACK: RGBColor

113.2. Public properties

- alpha [readonly] int
- rgb [readonly] int
- green [readonly] int
- red [readonly] int
- blue [readonly] int

113.3. Constructor

- RGBColor(int, int, int, int)

113.4. Static methods

- fromARGB(int) RGBColor

113.5. Public methods

- equals(Object) Boolean
- validate(int) void
- darker() RGBColor
- setValue(int, int, int, int) void
- hashCode() int

114. CastTypeError

In package:org.purepdf.errors

Extends:Error, Object

See online:[CastTypeError.as](#)

114.1. Public properties

- errorID [readonly] int

114.2. Constructor

- CastTypeError(*, *)

114.3. Public methods

- getStackTrace() String

115. ITextElementaryArray

In package:org.purepdf.elements

Implemented interfaces:IElement

See online:[ITextElementaryArray.as](#)

115.1. Public methods

- add(Object) Boolean

116. ExtendedColor

In package:org.purepdf.colors

Extends:RGBColor, ObjectHash, Object

Implemented interfaces:IObject

See online:[ExtendedColor.as](#)

116.1. Public constants

- TYPE_PATTERN: int
- TYPE_GRAY: int
- TYPE_SEPARATION: int
- TYPE_CMYK: int
- TYPE_RGB: int
- TYPE_SHADING: int

116.2. Public properties

- type [readonly] int
- alpha [readonly] int
- rgb [readonly] int

- **green** [readonly] int
- **red** [readonly] int
- **blue** [readonly] int

116.3. Constructor

- **ExtendedColor**(int)

116.4. Static methods

- **normalize**(Number) Number
- **getType**(RGBColor) int

116.5. Public methods

- **equals**(Object) Boolean
- **validate**(int) void
- **darker**() RGBColor
- **setValue**(int, int, int, int) void
- **hashCode**() int

117. PdfReader

In package:org.purepdf.pdf

Extends:ObjectHash, Object

Implemented interfaces:IObject

See online:[PdfReader.as](http://purepdf.org/PdfReader.as)

117.1. Public properties

- **appendable** [readonly] Boolean

117.2. Static methods

- **getPdfObject**(PdfObject) PdfObject
- **getPdfObjects**(PdfObject, PdfObject) PdfObject

117.3. Public methods

- **equals**(Object) Boolean
- **hashCode**() int

118. PdfCrossReferenceCollectionIterator

In package:org.purepdf.collections.iterator

Extends:AbstractIterator, Object

Implemented interfaces:Iterator

See online:[PdfCrossReferenceCollectionIterator.as](#)

118.1. Constructor

- PdfCrossReferenceCollectionIterator(*)

118.2. Public methods

- hasNext() Boolean
- next() *

119. PdfPatternPainter

In package:org.purepdf.pdf

Extends:PdfTemplate, PdfContentByte, ObjectHash, Object

Implemented interfaces:IObject

See online:[PdfPatternPainter.as](#)

119.1. Public properties

- ystep [readwrite] Number
- defaultColor [readonly] RGBColor
- is_stencil [readonly] Boolean
- xstep [readwrite] Number
- layer [readwrite] IPdfOCG
- resources [readonly] PdfObject
- pageResources [readwrite] PageResources
- height [readwrite] Number
- indirectReference [readonly] PdfIndirectReference
- width [readwrite] Number
- type [readonly] int
- boundingBox [readwrite] RectangleElement
- group [readwrite] PdfTransparencyGroup
- writer [readwrite] PdfWriter
- size [readonly] uint
- xTLM [readonly] Number
- pdfDocument [readonly] PdfDocument

- yTLM_[readonly] Number

119.2. Constructor

- PdfPatternPainter(*, *)

119.3. Public methods

- resetFill() void
- getPattern(int) PdfPattern
- setPatternStroke2(PdfPatternPainter, RGBColor) void
- setGrayStroke(Number) void
- setCMYKStrokeColor(Number, Number, Number, Number) void
- setRGBFillColor(int, int, int) void
- checkNoColor() void
- setPatternFill(PdfPatternPainter) void
- duplicate() PdfContentByte
- setPatternFill3(PdfPatternPainter, RGBColor, Number) void
- setPatternStroke3(PdfPatternPainter, RGBColor, Number) void
- addImage2(ImageElement, Number, Number, Number, Number, Number, Number, Boolean) void
- setColorStroke(RGBColor) void
- setRGBStrokeColor(int, int, int) void
- setColorFill(RGBColor) void
- setPatternFill2(PdfPatternPainter, RGBColor) void
- setPatternStroke(PdfPatternPainter) void
- resetStroke() void
- setCMYKFillColor(Number, Number, Number, Number) void
- setGrayFill(Number) void
- getFormXObject(int) PdfStream
- setMatrix(Number, Number, Number, Number, Number, Number) void
- getMatrix() PdfArray
- endVariableText() void
- beginVariableText() void
- rectangle() void
- setLineWidth(Number) void
- setLineCap(int) void
- stroke() void
- arc(Number, Number, Number, Number, Number, Number) void
- toString() String
- addImage1(ImageElement, Boolean) void
- setGState(PdfGState) void
- setSpotStrokeColor(PdfSpotColor, Number) void
- setShadingFill(PdfShadingPattern) void
- fill(Boolean) void
- reset(Boolean) void

- beginLayer(IPdfOCG) void
- addTemplate(PdfTemplate, Number, Number, Number, Number, Number, Number, Number) void
- setLineDash(Number) void
- concatCTM(Number, Number, Number, Number, Number, Number) void
- setSpotFillColor(PdfSpotColor, Number) void
- circle(Number, Number, Number) void
- clip(Boolean) void
- toPdf(PdfWriter) Bytes
- setLineDash3(Number, Number, Number) void
- setShadingStroke(PdfShadingPattern) void
- endText() void
- closePath() void
- addAnnotation(PdfAnnotation) void
- closePathFillStroke(Boolean) void
- showTextAligned(int, String, Number, Number, Number, Boolean) void
- beginText() void
- setLiteral(String) void
- moveText(Number, Number) void
- closePathStroke() void
- saveState() void
- setLineDash4(Vector.<Number>, Number) void
- endLayer() void
- setTextMatrix(Number, Number, Number, Number, Number, Number) void
- setMiterLimit(Number) void
- createAppearance(Number, Number) PdfAppearance
- createPattern(Number, Number, Number, Number) PdfPatternPainter
- getInternalBuffer() ByteBuffer
- setCharacterSpacing(Number) void
- createPatternColor(Number, Number, Number, Number, RGBColor) PdfPatternPainter
- showTextKerned(String) void
- getEffectiveStringWidth(String, Boolean) Number
- curveTo(Number, Number, Number, Number, Number, Number) void
- ellipse(Number, Number, Number, Number) void
- addImage3(ImageElement, Number, Number, Number, Number, Number, Number, Number) void
- lineTo(Number, Number) void
- addImage(ImageElement) void
- showTextArray(PdfTextArray) void
- moveTo(Number, Number) void
- fillStroke(Boolean) void
- paintShading(PdfShading) void
- setFontAndSize(BaseFont, Number) void
- addContent(PdfContentByte) void
- setTextRenderingMode(int) void
- setLineDash2(Number, Number) void
- restoreState() void

- newPath() void
- variableRectangle(RectangleElement) void
- setTextRise(Number) void
- setWordSpacing(Number) void
- setTransform(Matrix) void
- getCharacterSpacing() Number
- createTemplate(Number, Number, PdfName) PdfTemplate
- paintShadingPattern(PdfShadingPattern) void
- showText(String) void
- roundRectangle(Number, Number, Number, Number, Number) void
- setLineJoin(String) void
- equals(Object) Boolean
- hashCode() int

120. BidiOrderTypes

In package:org.purepdf.pdf

Extends:Object

See online:[BidiOrderTypes.as](#)

121. ParagraphEvent

In package:org.purepdf.events

Extends:Event, Object

See online:[ParagraphEvent.as](#)

121.1. Public constants

- PARAGRAPH_START: String
- PARAGRAPH_END: String

121.2. Public properties

- position [readonly] Number
- eventPhase [readonly] uint
- currentTarget [readonly] Object
- type [readonly] String
- bubbles [readonly] Boolean
- target [readonly] Object
- cancelable [readonly] Boolean

121.3. Constructor

- ParagraphEvent(*, *)

121.4. Public methods

- clone() Event
- formatToString(String) String
- stopImmediatePropagation() void
- isDefaultPrevented() Boolean
- toString() String
- stopPropagation() void
- preventDefault() void

122. PdfDocument

In package:org.purepdf.pdf

Extends:EventDispatcher, Object

Implemented interfaces:IObject, IElementListener, IEventDispatcher

See online:[PdfDocument.as](#)

122.1. Public constants

- WILL_SAVE: PdfName
- DID_SAVE: PdfName
- DID_PRINT: PdfName
- DOCUMENT_CLOSE: PdfName
- WILL_PRINT: PdfName

122.2. Public properties

- isEmpty [readonly] Boolean
- pageResources [readonly] PageResources
- marginRight [readonly] Number
- marginLeft [readonly] Number
- pageNumber [readonly] int
- marginMirroring [readwrite] Boolean
- writer [readonly] PdfWriter
- transition [writeonly] PdfTransition
- pageSize [readwrite] RectangleElement
- marginTop [readonly] Number
- duration [writeonly] int
- marginBottom [readonly] Number
- opened [readonly] Boolean
- userunit [readwrite] Number

122.3. Constructor

- PdfDocument(RectangleElement)

122.4. Public methods

- close() void
- getDirectContentUnder() PdfContentByte
- newPage() Boolean
- bottom(Number) Number
- writeLineToContent(PdfLine, PdfContentByte, PdfContentByte, Vector.<Object>, Number) void
- addElement(IElement) Boolean
- lockLayer(PdfLayer) void
- hashCode() int
- top(Number) Number
- getVerticalPosition(Boolean) Number
- addAnnotation(PdfAnnotation) void
- addJavaScript(String, Boolean) void
- addAuthor(String) Boolean
- setDefaultColorSpace(PdfName, PdfObject) void
- addFileAttachment(String, ByteArray, String) void
- addCreator(String) Boolean
- add(IElement) Boolean
- addTitle(String) Boolean
- addAdditionalAction(PdfName, PdfAction) void
- addSubject(String) Boolean
- addKeywords(String) Boolean
- right(Number) Number
- getDirectContent() PdfContentByte
- getInfo() PdfInfo
- setViewerPreferences(int) void
- setFooter(HeaderFooter) void
- setPdfVersion(String) void
- left(Number) Number
- open() void
- resetFooter() void
- resetHeader() void
- resetPageCount() void
- getDefaultColorSpace() PdfDictionary
- setHeader(HeaderFooter) void
- setMargins(Number, Number, Number, Number) Boolean
- removeEventListener(String, Function, Boolean) void
- willTrigger(String) Boolean
- addEventListener(String, Function, Boolean, int, Boolean) void
- toString() String

- `dispatchEvent(Event)` Boolean
- `hasEventListener(String)` Boolean

123. FontSelector

In package:org.purepdf.pdf

Extends:Object

See online:[FontSelector.as](#)

123.1. Public methods

- `addFont(Font)` void
- `process(String)` Phrase

124. PdfBorderArray

In package:org.purepdf.pdf

Extends:PdfArray, PdfObject, ObjectHash, Object

Implemented interfaces:IObject

See online:[PdfBorderArray.as](#)

124.1. Public properties

- `isEmpty` [readonly] Boolean
- `size` [readonly] int

124.2. Constructor

- `PdfBorderArray(*, *, *, *)`

124.3. Public methods

- `contains(PdfObject)` Boolean
- `add2(Vector.<Number>)` Boolean
- `addFirst(PdfObject)` void
- `toString()` String
- `add(PdfObject)` uint
- `add3(Vector.<int>)` Boolean
- `getPdfObject(int)` PdfObject
- `getArrayList()` Vector.<org.purepdf.pdf::PdfObject>
- `toPdf(PdfWriter, IOutputStream)` void
- `isString()` Boolean

- isDictionary() Boolean
- isIndirect() Boolean
- getIndRef() PRIndirectReference
- getBytes() Bytes
- isNumber() Boolean
- isBoolean() Boolean
- getType() int
- isName() Boolean
- isNull() Boolean
- canBeInObjStm() Boolean
- isArray() Boolean
- equals(Object) Boolean
- hashCode() int

125. RomanList

In package:org.purepdf.elements

Extends:List, Object

Implemented interfaces:ITextElementaryArray, IElement

See online:RomanList.as

125.1. Public properties

- isEmpty [readonly] Boolean
- numbered [readwrite] Boolean
- indentationLeft [readwrite] Number
- first [readwrite] int
- size [readonly] uint
- items [readonly] Vector.<org.purepdf.elements::IElement>
- isContent [readonly] Boolean
- lowercase [readwrite] Boolean
- alignindent [readwrite] Boolean
- symbol [readwrite] Chunk
- type [readonly] int
- symbolIndent [readwrite] Number
- totalLeading [readonly] Number
- preSymbol [readwrite] String
- indentationRight [readwrite] Number
- postSymbol [readwrite] String
- lettered [readwrite] Boolean
- isNestable [readonly] Boolean
- autoindent [readwrite] Boolean

125.2. Constructor

- RomanList(*)

125.3. Public methods

- add(Object) Boolean
- getChunks() Vector.<Object>
- toString() String
- normalizeIndentation() void
- process(IElementListener) Boolean

126. RomanNumberFactory

In package:org.purepdf.factories

Extends:Object

See online:[RomanNumberFactory.as](#)

126.1. Static methods

- getStringAtIndex(int) String
- getString(int, Boolean) String
- getLowerCaseString(int) String
- getUpperCaseString(int) String

127. PdfShading

In package:org.purepdf.pdf

Extends:ObjectHash, Object

Implemented interfaces:IObject

See online:[PdfShading.as](#)

127.1. Public properties

- shadingReference [readonly] PdfIndirectReference
- antiAlias [readwrite] Boolean
- colorSpace [writeonly] RGBColor
- bBox [readwrite] Vector.<Number>
- colorSpace [readonly] RGBColor
- shadingName [readonly] PdfName

127.2. Constructor

- PdfShading(*)

127.3. Static methods

- getColorArray(RGBColor) Vector.<Number>
- simpleRadial(PdfWriter, Number, Number, Number, Number, Number, Number, RGBColor, RGBColor, Boolean, Boolean) PdfShading
- simpleAxial(PdfWriter, Number, Number, Number, Number, RGBColor, RGBColor, Boolean, Boolean) PdfShading
- complexAxial(PdfWriter, Number, Number, Number, Number, Vector.<org.purepdf.colors::RGBColor>, Vector.<Number>, Boolean, Boolean) PdfShading
- type3(PdfWriter, RGBColor, Vector.<Number>, Vector.<Number>, PdfFunction, Vector.<Boolean>) PdfShading
- throwColorSpaceError() void
- checkCompatibleColors(RGBColor, RGBColor) void
- type1(PdfWriter, RGBColor, Vector.<Number>, Vector.<Number>, PdfFunction) PdfShading
- type2(PdfWriter, RGBColor, Vector.<Number>, Vector.<Number>, PdfFunction, Vector.<Boolean>) PdfShading

127.4. Public methods

- setName(int) void
- addToBody() void
- equals(Object) Boolean
- hashCode() int

128. PdfPage

In package:org.purepdf.pdf

Extends:PdfDictionary, PdfObject, ObjectHash, Object

Implemented interfaces:IObject

See online:[PdfPage.as](http://code.google.com/p/purepdf/wiki/PdfPage.as)

128.1. Public constants

- LANDSCAPE: PdfNumber
- INVERTEDPORTRAIT: PdfNumber
- SEASCAPE: PdfNumber
- PORTRAIT: PdfNumber

128.2. Public properties

- size [readonly] int

128.3. Constructor

- PdfPage(*, *, *, *)

128.4. Public methods

- getMediaBox() PdfRectangle
- isParent() Boolean
- rotateMediaBox() PdfRectangle
- add(PdfIndirectReference) void
- merge(PdfDictionary) void
- getValue(PdfName) PdfObject
- toPdf(PdfWriter, OutputStream) void
- mergeDifferent(PdfDictionary) void
- toString() String
- getAsDict(PdfName) PdfDictionary
- remove(PdfName) void
- putAll(PdfDictionary) void
- getKeys() KeySet
- getDirectObject(PdfName) PdfObject
- contains(PdfName) Boolean
- put(PdfName, PdfObject) void
- isString() Boolean
- isDictionary() Boolean
- isIndirect() Boolean
- getIndRef() PIndirectReference
- getBytes() Bytes
- isNumber() Boolean
- isBoolean() Boolean
- getType() int
- isName() Boolean
- isNull() Boolean
- canBeInObjStm() Boolean
- isArray() Boolean
- equals(Object) Boolean
- hashCode() int

129. MarkedSection

In package:org.purepdf.elements

Extends:MarkedObject, Object

Implemented interfaces:IElement

See online:[MarkedSection.as](#)

129.1. Public properties

- numberDepth [writeonly] int
- indentationLeft [writeonly] Number
- bookmarkTitle [writeonly] String
- title [readwrite] MarkedObject
- indentationRight [writeonly] Number
- indentation [writeonly] Number
- triggerNewPage [writeonly] Boolean
- bookmarkOpen [writeonly] Boolean
- type [readonly] int
- markupAttributes [readwrite] Dictionary
- isNestable [readonly] Boolean
- element [readonly] IElement
- isContent [readonly] Boolean

129.2. Constructor

- MarkedSection(*)

129.3. Public methods

- addSection1(Number) MarkedSection
- addSection2(Number) MarkedSection
- add(Object) Boolean
- process(IElementListener) Boolean
- addAll(Vector.<org.purepdf.elements::IElement>) Boolean
- newPage() void
- insert(int, Object) void
- addSection() MarkedSection
- addSection3(Number, int) MarkedSection
- toString() String
- setMarkupAttribute(String, String) void
- getChunks() Vector.<Object>

130. PdfString

In package:org.purepdf.pdf

Extends:PdfObject, ObjectHash, Object

Implemented interfaces:IObject

See online:[PdfString.as](http://code.google.com/p/purepdf/wiki/PdfString.as)

130.1. Constructor

- PdfString(*, String)

130.2. Public methods

- setEncoding(String) void
- toString() String
- getBytes() Bytes
- toPdf(PdfWriter, IOutputStream) void
- isString() Boolean
- isDictionary() Boolean
- isIndirect() Boolean
- getIndRef() PIndirectReference
- isNumber() Boolean
- isBoolean() Boolean
- getType() int
- isName() Boolean
- isNull() Boolean
- canBeInObjStm() Boolean
- isArray() Boolean
- equals(Object) Boolean
- hashCode() int

131. BaseFont

In package:org.purepdf.pdf.fonts

Extends:ObjectHash, Object

Implemented interfaces:IObject

See online:[BaseFont.as](http://code.google.com/p/purepdf/wiki/BaseFont.as)

131.1. Public constants

- NOT_CACHED: Boolean
- TIMES_ITALIC: String
- UniJIS_UCS2_HW_H: String

- BBOXLLY: int
- ZAPFDINGBATS: String
- BBOXURY: int
- UniJIS_UCS2_H: String
- TIMES_BOLDITALIC: String
- AdobeCNS1_UCS2: String
- AWT_DESCENT: int
- CP1250: String
- AdobeGB1_UCS2: String
- UniJIS_UCS2_HW_V: String
- NOT_EMBEDDED: Boolean
- FONT_TYPE_TTUNI: int
- RESOURCE_PATH: String
- COURIER: String
- HELVETICA_BOLDObLIQUE: String
- CACHED: Boolean
- ITALICANGLE: int
- UniJIS_UCS2_V: String
- AdobeKorea1_UCS2: String
- COURIER_BOLDObLIQUE: String
- FONT_TYPE_TT: int
- AWT_ASCENT: int
- WINANSI: String
- CP1252: String
- SUBSCRIPT_SIZE: int
- CAPHEIGHT: int
- HELVETICA_ObLIQUE: String
- AdobeJapan1_UCS2: String
- AWT_MAXADVANCE: int
- HELVETICA: String
- UniCNS_UCS2_V: String
- CID_NEWLINE: String
- FONT_TYPE_DOCUMENT: int
- UniKS_UCS2_H: String
- AWT_LEADING: int
- IDENTITY_V: String
- COURIER_BOLD: String
- IDENTITY_H: String
- CHAR_RANGE_HEBREW: Vector.<int>
- COURIER_ObLIQUE: String
- UniGB_UCS2_V: String
- ASCENT: int
- TIMES_BOLD: String
- FONT_TYPE_T3: int
- EMBEDDED: Boolean

- MACROMAN: String
- SYMBOL: String
- CHAR_RANGE_ARABIC: Vector.<int>
- UniKS_UCS2_V: String
- UNDERLINE_THICKNESS: int
- CHAR_RANGE_LATIN: Vector.<int>
- STRIKETHROUGH_POSITION: int
- CP1257: String
- SUPERSCRIPT_SIZE: int
- SUPERSCRIPT_OFFSET: int
- BBOXLLX: int
- SUBSCRIPT_OFFSET: int
- DESCENT: int
- CHAR_RANGE_CYRILLIC: Vector.<int>
- TIMES_ROMAN: String
- UniGB_UCS2_H: String
- UniCNS_UCS2_H: String
- FONT_TYPE_T1: int
- HELVETICA_BOLD: String
- STRIKETHROUGH_THICKNESS: int
- FONT_TYPE_CJK: int
- BBOXURX: int
- UNDERLINE_POSITION: int
- notdef: String

131.2. Public properties

- subset [readwrite] Boolean
- fontType [readonly] int
- compressionLevel [readwrite] int
- encoding [readonly] String
- fontSpecific [readwrite] Boolean

131.3. Static methods

- createSubsetPrefix() String
- createFont(String, String, Boolean, Boolean, Vector.<int>, Vector.<int>, Boolean, Boolean) BaseFont

131.4. Public methods

- getWidth(Object) int
- getWidthPoint(Object, Number) Number
- getFontDescriptor(int, Number) Number
- hasKernPairs() Boolean
- getCharBBox(int) Vector.<int>
- addSubsetTange(Vector.<int>) void

- charExists(int) Boolean
- getUnicodeDifferences(int) int
- getKerning(int, int) int
- setKerning(int, int, int) Boolean
- getWidthPointKerned(String, Number) Number
- getUnicodeEquivalent(int) int
- getFamilyFontName() Vector.<__AS3__.vec::Vector.<String>>
- getPostscriptFontName() String
- equals(Object) Boolean
- hashCode() int

132. IllegalPdfSyntaxError

In package:org.purepdf.errors

Extends:Error, Object

See online:[IllegalPdfSyntaxError.as](#)

132.1. Public properties

- errorID [readonly] int

132.2. Constructor

- IllegalPdfSyntaxError(*, *)

132.3. Public methods

- getStackTrace() String

133. IndexOutOfBoundsError

In package:org.purepdf.errors

Extends:Error, Object

See online:[IndexOutOfBoundsError.as](#)

133.1. Public properties

- errorID [readonly] int

133.2. Constructor

- IndexOutOfBoundsException(*)

133.3. Public methods

- getStackTrace() String

134. ChapterAutoNumber

In package:org.purepdf.elements

Extends:Chapter, Section, Object

Implemented interfaces:IElement, ILargeElement, ITextElementaryArray, Iterable

See online:[ChapterAutoNumber.as](#)

134.1. Public properties

- type [readonly] int
- isNestable [readonly] Boolean
- bookmarkTitle [writeonly] String
- isChapter [readonly] Boolean
- isContent [readonly] Boolean
- chapterNumber [writeonly] uint
- depth [readonly] uint
- addedCompletely [readwrite] Boolean
- numberDepth [readwrite] int
- numbers [readonly] Vector.<Number>
- size [readonly] uint
- indentation [readwrite] Number
- isSection [readonly] Boolean
- numberStyle [readwrite] int
- notAddedYet [readwrite] Boolean
- indentationLeft [readwrite] Number
- bookmarkOpen [readwrite] Boolean
- indentationRight [readwrite] Number
- triggerNewPage [readwrite] Boolean
- title [readwrite] Paragraph
- complete [readwrite] Boolean

134.2. Constructor

- ChapterAutoNumber(*)

134.3. Public methods

- addSection(String) Section
- setAutomaticNumber(int) int
- addSection1(Paragraph) Section
- getChunks() Vector.<Object>
- process(IElementListener) Boolean
- flushContent() void
- addSection5(Number, String, int) Section
- add(Object) Boolean
- addMarkedSection() MarkedSection
- addSection3(Number, Paragraph) Section
- newPage() void
- addSection4(Paragraph, int) Section
- addSection2(Number, Paragraph, int) Section
- toString() String
- iterator() Iterator
- addSection7(Number, String) Section
- insert(int, Object) void
- addSection6(String, int) Section
- addAll(Vector.<org.purepdf.elements.IElement>) Boolean
- getBookmarkTitle() Paragraph

135. Chapter

In package:org.purepdf.elements

Extends:Section, Object

Implemented interfaces:ILargeElement, Iterable, IElement, ITextElementaryArray

See online:[Chapter.as](#)

135.1. Public properties

- type [readonly] int
- isNestable [readonly] Boolean
- bookmarkTitle [writeonly] String
- isChapter [readonly] Boolean
- isContent [readonly] Boolean
- chapterNumber [writeonly] uint
- depth [readonly] uint
- addedCompletely [readwrite] Boolean
- numberDepth [readwrite] int
- numbers [readonly] Vector.<Number>
- size [readonly] uint
- indentation [readwrite] Number

- isSection [readonly] Boolean
- numberStyle [readwrite] int
- notAddedYet [readwrite] Boolean
- indentationLeft [readwrite] Number
- bookmarkOpen [readwrite] Boolean
- indentationRight [readwrite] Number
- triggerNewPage [readwrite] Boolean
- title [readwrite] Paragraph
- complete [readwrite] Boolean

135.2. Constructor

- Chapter(Object, int)

135.3. Public methods

- getChunks() Vector.<Object>
- process(IElementListener) Boolean
- flushContent() void
- addSection5(Number, String, int) Section
- add(Object) Boolean
- addMarkedSection() MarkedSection
- addSection3(Number, Paragraph) Section
- newPage() void
- addSection4(Paragraph, int) Section
- addSection2(Number, Paragraph, int) Section
- addSection(String) Section
- toString() String
- addSection1(Paragraph) Section
- iterator() Iterator
- addSection7(Number, String) Section
- insert(int, Object) void
- addSection6(String, int) Section
- addAll(Vector.<org.purepdf.elements::IElement>) Boolean
- getBookmarkTitle() Paragraph

136. MultiColumnText

In package:org.purepdf.elements

Extends:Object

Implemented interfaces:IElement

See online:[MultiColumnText.as](http://code.google.com/p/purepdf/wiki/MultiColumnText.as)

136.1. Public constants

- AUTOMATIC: int

136.2. Public properties

- type [readonly] int
- currentColumn [readonly] int
- columnsRightToLeft [writeonly] Boolean
- isNestable [readonly] Boolean
- overflow [readonly] Boolean
- arabicOptions [writeonly] int
- isContent [readonly] Boolean
- spaceCharRatio [writeonly] Number
- runDirection [writeonly] int
- alignment [writeonly] int
- desiredHeight [writeonly] int

136.3. Public methods

- getChunks() Vector.<Object>
- addPhrase(Phrase) void
- addChunk(Chunk) void
- resetCurrentColumn() void
- addColumn(Vector.<Number>, Vector.<Number>) void
- addSimpleColumn(Number, Number) void
- nextColumn() void
- shiftCurrentColumn() Boolean
- write(PdfContentByte, PdfDocument, Number) Number
- toString() String
- addRegularColumns(Number, Number, Number, int) void
- process(IElementListener) Boolean
- useColumnParams(ColumnText) void
- addElement(IElement) void

137. ConversionError

In package:org.purepdf.errors

Extends:Error, Object

See online:[ConversionError.as](http://code.google.com/p/purepdf/wiki/ConversionError.as)

137.1. Public properties

- errorID [readonly] int

137.2. Constructor

- ConversionError(*, *)

137.3. Public methods

- getStackTrace() String

138. RuntimeException

In package:org.purepdf.errors

Extends:Error, Object

See online:[RuntimeException.as](#)

138.1. Public properties

- errorID [readonly] int

138.2. Constructor

- RuntimeException(*, *)

138.3. Public methods

- getStackTrace() String

139. CCITTG4Encoder

In package:org.purepdf.pdf.codec

Extends:Object

See online:[CCITTG4Encoder.as](#)

139.1. Constructor

- CCITTG4Encoder(*)

139.2. Static methods

- compress(Bytes, int, int) Bytes

139.3. Public methods

- fax4Encode(Bytes, int, int) void
- fax4Encode2(Bytes, int) void
- close() Bytes

140. PdfViewerPreferencesImp

In package:org.purepdf.pdf

Extends:ObjectHash, Object

Implemented interfaces:IPdfViewerPreferences, IObject

See online:[PdfViewerPreferencesImp.as](http://code.google.com/p/purepdf/source/browse/trunk/org.purepdf.pdf/PdfViewerPreferencesImp.as)

140.1. Public constants

- NONFULLSCREENPAGEMODE_PREFERENCES: Vector.<org.purepdf.pdf::PdfName>
- DUPLEX_PREFERENCES: Vector.<org.purepdf.pdf::PdfName>
- PRINTSCALING_PREFERENCES: Vector.<org.purepdf.pdf::PdfName>
- PAGE_BOUNDARIES: Vector.<org.purepdf.pdf::PdfName>
- VIEWER_PREFERENCES: Vector.<org.purepdf.pdf::PdfName>
- DIRECTION_PREFERENCES: Vector.<org.purepdf.pdf::PdfName>

140.2. Public methods

- addToCatalog(PdfDictionary) void
- addViewerPreference(PdfName, PdfObject) void
- getPageLayoutMode() int
- setViewerPreferences(int) void
- getViewerPreferences() PdfDictionary
- equals(Object) Boolean
- hashCode() int

141. IPdfViewerPreferences

In package:org.purepdf.pdf.interfaces

See online:[IPdfViewerPreferences.as](http://code.google.com/p/purepdf/source/browse/trunk/org.purepdf.pdf/interfaces/IPdfViewerPreferences.as)

141.1. Public methods

- setViewerPreferences(int) void
- addViewerPreference(PdfName, PdfObject) void

142. PageEvent

In package:org.purepdf.events

Extends:Event, Object

See online:[PageEvent.as](#)

142.1. Public constants

- DOCUMENT_CLOSE: String
- PAGE_START: String
- DOCUMENT_OPEN: String
- PAGE_END: String

142.2. Public properties

- eventPhase [readonly] uint
- currentTarget [readonly] Object
- type [readonly] String
- bubbles [readonly] Boolean
- target [readonly] Object
- cancelable [readonly] Boolean

142.3. Constructor

- PageEvent(String, Boolean, Boolean)

142.4. Public methods

- clone() Event
- toString(String) String
- stopImmediatePropagation() void
- isDefaultPrevented() Boolean
- toString() String
- stopPropagation() void
- preventDefault() void

143. PdfInfo

In package:org.purepdf.pdf

Extends:PdfDictionary, PdfObject, ObjectHash, Object

Implemented interfaces:IObject

See online:[PdfInfo.as](#)

143.1. Public properties

- size [readonly] int

143.2. Static methods

- getCreationDate() String

143.3. Public methods

- addAuthor(String) void
- addProducer() void
- addCreator(String) void
- addSubject(String) void
- addKeywords(String) void
- addTitle(String) void
- addCreationDate() void
- merge(PdfDictionary) void
- getValue(PdfName) PdfObject
- toPdf(PdfWriter, IOutputStream) void
- mergeDifferent(PdfDictionary) void
- toString() String
- getAsDict(PdfName) PdfDictionary
- remove(PdfName) void
- putAll(PdfDictionary) void
- getKeys() KeySet
- getDirectObject(PdfName) PdfObject
- contains(PdfName) Boolean
- put(PdfName, PdfObject) void
- isString() Boolean
- isDictionary() Boolean
- isIndirect() Boolean
- getIndRef() PRIndirectReference
- getBytes() Bytes
- isNumber() Boolean
- isBoolean() Boolean
- getType() int
- isName() Boolean
- isNull() Boolean
- canBeInObjStm() Boolean
- isArray() Boolean
- equals(Object) Boolean
- hashCode() int

144. PdfGState

In package:org.purepdf.pdf

Extends:PdfDictionary, PdfObject, ObjectHash, Object

Implemented interfaces:IObject

See online:[PdfGState.as](http://code.google.com/p/purepdf/wiki/PdfGState)

144.1. Public properties

- size [readonly] int

144.2. Public methods

- setBlendMode(PdfName) void
- setOverPrintStroking(Boolean) void
- setFillOpacity(Number) void
- setStrokeOpacity(Number) void
- setOverPrintNonStroking(Boolean) void
- setAlphasShape(Boolean) void
- setOverPrintMode(int) void
- setTextKnockout(Boolean) void
- merge(PdfDictionary) void
- getValue(PdfName) PdfObject
- toPdf(PdfWriter, IOutputStream) void
- mergeDifferent(PdfDictionary) void
- toString() String
- getAsDict(PdfName) PdfDictionary
- remove(PdfName) void
- putAll(PdfDictionary) void
- getKeys() KeySet
- getDirectObject(PdfName) PdfObject
- contains(PdfName) Boolean
- put(PdfName, PdfObject) void
- isString() Boolean
- isDictionary() Boolean
- isIndirect() Boolean
- getIndRef() PRIndirectReference
- getBytes() Bytes
- isNumber() Boolean
- isBoolean() Boolean
- getType() int
- isName() Boolean
- isNull() Boolean
- canBeInObjStm() Boolean
- isArray() Boolean

- equals(Object) Boolean
- hashCode() int

145. PdfEncodings

In package:org.purepdf.pdf

Extends:ObjectHash, Object

Implemented interfaces:IObject

See online:[PdfEncodings.as](http://code.google.com/p/purepdf/wiki/PdfEncodings)

145.1. Static methods

- convertToString(Bytes, String) String
- convertToBytes(String, String) Bytes
- isPdfDocEncoding(String) Boolean
- convertToByte(int, String) Bytes

145.2. Public methods

- equals(Object) Boolean
- hashCode() int

146. MarkedObject

In package:org.purepdf.elements

Extends:Object

Implemented interfaces:IElement

See online:[MarkedObject.as](http://code.google.com/p/purepdf/wiki/MarkedObject)

146.1. Public properties

- type [readonly] int
- markupAttributes [readwrite] Dictionary
- isNestable [readonly] Boolean
- element [readonly] IElement
- isContent [readonly] Boolean

146.2. Constructor

- MarkedObject(*)

146.3. Public methods

- process(IElementListener) Boolean
- toString() String
- setMarkupAttribute(String, String) void
- getChunks() Vector.<Object>

147. OutputStreamCounter

In package:org.purepdf.io

Extends:Object

Implemented interfaces:OutputStream

See online:[OutputStreamCounter.as](#)

147.1. Constructor

- OutputStreamCounter(ByteArray)

147.2. Public methods

- getInternalBuffer() ByteArray
- writeBytes(Bytes, int, int) void
- toString() String
- writeInt(int) void
- getCounter() int
- resetCounter() void
- writeByteArray(ByteArray, int, int) void
- toBytes() Bytes

148. CharacterDataLatin1

In package:org.purepdf.lang

Extends:Object

See online:[CharacterDataLatin1.as](#)

148.1. Public constants

- A: Vector.<int>

148.2. Static methods

- `getProperties(int)` int
- `isWhitespace(int)` Boolean
- `getType(int)` int
- `isLowerCase(int)` Boolean

149. PdfDestination

In package:org.purepdf.pdf

Extends:PdfArray, PdfObject, ObjectHash, Object

Implemented interfaces:IObject

See online:PdfDestination.as

149.1. Public constants

- XYZ: int
- FITBH: int
- FIT: int
- FITB: int
- FITV: int
- FITH: int
- FITR: int
- FITBV: int

149.2. Public properties

- `hasPage` [readonly] Boolean
- `isEmpty` [readonly] Boolean
- `size` [readonly] int

149.3. Constructor

- PdfDestination(*)

149.4. Static methods

- `create(int, Number)` PdfDestination
- `create2(int, Number, Number, Number)` PdfDestination

149.5. Public methods

- `addPage(PdfIndirectReference)` Boolean
- `contains(PdfObject)` Boolean
- `add2(Vector.<Number>)` Boolean
- `addFirst(PdfObject)` void

- toString() String
- add(PdfObject) uint
- add3(Vector.<int>) Boolean
- getPdfObject(int) PdfObject
- getArrayList() Vector.<org.purepdf.pdf::PdfObject>
- toPdf(PdfWriter, IOutputStream) void
- isString() Boolean
- isDictionary() Boolean
- isIndirect() Boolean
- getIndRef() PIndirectReference
- getBytes() Bytes
- isNumber() Boolean
- isBoolean() Boolean
- getType() int
- isName() Boolean
- isNull() Boolean
- canBeInObjStm() Boolean
- isArray() Boolean
- equals(Object) Boolean
- hashCode() int

150. Section

In package:org.purepdf.elements

Extends:Object

Implemented interfaces:Iterable, IElement, ILargeElement, ITextElementaryArray

See online:[Section.as](#)

150.1. Public constants

- NUMBERSTYLE_NONE: int
- NUMBERSTYLE_DOTTED_WITHOUT_FINAL_DOT: int
- NUMBERSTYLE_DOTTED: int

150.2. Public properties

- bookmarkTitle [writeonly] String
- isChapter [readonly] Boolean
- isNestable [readonly] Boolean
- isContent [readonly] Boolean
- chapterNumber [writeonly] uint
- depth [readonly] uint
- addedCompletely [readwrite] Boolean
- numberDepth [readwrite] int

- numbers [readonly] Vector.<Number>
- size [readonly] uint
- indentation [readwrite] Number
- type [readonly] int
- isSection [readonly] Boolean
- numberStyle [readwrite] int
- notAddedYet [readwrite] Boolean
- indentationLeft [readwrite] Number
- bookmarkOpen [readwrite] Boolean
- indentationRight [readwrite] Number
- triggerNewPage [readwrite] Boolean
- title [readwrite] Paragraph
- complete [readwrite] Boolean

150.3. Constructor

- Section(Paragraph, int)

150.4. Static methods

- constructTitle(Paragraph, Vector.<Number>, int, int) Paragraph

150.5. Public methods

- getChunks() Vector.<Object>
- process(IElementListener) Boolean
- flushContent() void
- addSection5(Number, String, int) Section
- add(Object) Boolean
- addMarkedSection() MarkedSection
- addSection3(Number, Paragraph) Section
- newPage() void
- addSection4(Paragraph, int) Section
- addSection2(Number, Paragraph, int) Section
- addSection(String) Section
- toString() String
- addSection1(Paragraph) Section
- iterator() Iterator
- addSection7(Number, String) Section
- insert(int, Object) void
- addSection6(String, int) Section
- addAll(Vector.<org.purepdf.elements::IElement>) Boolean
- getBookmarkTitle() Paragraph

151. BidiOrder

In package:org.purepdf.pdf

Extends:Object

See online:[BidiOrder.as](http://code.google.com/p/purepdf/wiki/BidiOrder.as)

151.1. Public constants

- ES: int
- ET: int
- CS: int
- AL: int
- LRE: int
- NSM: int
- B: int
- R: int
- ON: int
- LRO: int
- TYPE_MAX: int
- RLO: int
- RLE: int
- PDF: int
- S: int
- TYPE_MIN: int
- WS: int
- L: int
- AN: int
- BN: int
- EN: int

151.2. Public methods

- getLevel() Vector.<int>
- create(Vector.<int>, int, int, int) void
- getLevels(Vector.<int>) Vector.<int>

152. BarcodeEANSUPP

In package:org.purepdf.pdf.barcode

Extends:Barcode, Object

See online:[BarcodeEANSUPP.as](http://code.google.com/p/purepdf/wiki/BarcodeEANSUPP.as)

152.1. Public properties

- `n` [readwrite] Number
- `checksumText` [readwrite] Boolean
- `startStopText` [readwrite] Boolean
- `extended` [readwrite] Boolean
- `code` [readwrite] String
- `textAlignment` [readwrite] int
- `barHeight` [readwrite] Number
- `X` [readwrite] Number
- `inkSpreading` [readwrite] Number
- `size` [readwrite] Number
- `guardBars` [readwrite] Boolean
- `font` [readwrite] BaseFont
- `generateChecksum` [readwrite] Boolean
- `altText` [readwrite] String
- `codeType` [readwrite] int
- `baseline` [readwrite] Number

152.2. Constructor

- `BarcodeEANSUPP(*, *)`

152.3. Public methods

- `getBarcodeSize()` RectangleElement
- `placeBarcode(PdfContentByte, RGBColor, RGBColor)` RectangleElement
- `createTemplateWithBarcode(PdfContentByte, RGBColor, RGBColor)` PdfTemplate
- `createImageWithBarcode(PdfContentByte, RGBColor, RGBColor)` ImageElement

153. PdfEncryption

In package:org.purepdf.pdf

Extends:ObjectHash, Object

Implemented interfaces:IObject

See online:[PdfEncryption.as](http://code.google.com/p/purepdf/wiki/PdfEncryption.as)

153.1. Public constants

- `AES_128`: int
- `STANDARD_ENCRYPTION_128`: int
- `STANDARD_ENCRYPTION_40`: int

153.2. Public properties

- embeddedFilesOnly [readonly] Boolean

153.3. Static methods

- createDocumentId() Bytes
- createInfold(Bytes) PdfObject

153.4. Public methods

- encryptByteArray(Bytes) Bytes
- calculateStreamSize(int) int
- equals(Object) Boolean
- hashCode() int

154. AbstractIterator

In package:org.purepdf.collections.iterator

Extends:Object

Implemented interfaces:Iterator

See online:[AbstractIterator.as](#)

154.1. Public methods

- next() *
- hasNext() Boolean

155. PdfFormXObject

In package:org.purepdf.pdf

Extends:PdfStream, PdfDictionary, PdfObject, ObjectHash, Object

Implemented interfaces:IObject

See online:[PdfFormXObject.as](#)

155.1. Public constants

- MATRIX: PdfLiteral
- ZERO: PdfNumber
- ONE: PdfNumber

155.2. Public properties

- size [readonly] int

155.3. Constructor

- PdfFormXObject(*, *)

155.4. Public methods

- toString() String
- toPdf(PdfWriter, OutputStream) void
- flateCompress(int) void
- getRawLength() int
- merge(PdfDictionary) void
- getValue(PdfName) PdfObject
- mergeDifferent(PdfDictionary) void
- getAsDict(PdfName) PdfDictionary
- remove(PdfName) void
- putAll(PdfDictionary) void
- getKeys() KeySet
- getDirectObject(PdfName) PdfObject
- contains(PdfName) Boolean
- put(PdfName, PdfObject) void
- isString() Boolean
- isDictionary() Boolean
- isIndirect() Boolean
- getIndRef() PIndirectReference
- getBytes() Bytes
- isNumber() Boolean
- isBoolean() Boolean
- getType() int
- isName() Boolean
- isNull() Boolean
- canBeInObjStm() Boolean
- isArray() Boolean
- equals(Object) Boolean
- hashCode() int

156. ByteArrayInputStream

In package:org.purepdf.io

Extends:Object

Implemented interfaces:InputStream

See online:[ByteArrayInputStream.as](http://code.google.com/p/purepdf/wiki/ByteArrayInputStream.as)

156.1. Public properties

- size [readonly] int

156.2. Constructor

- ByteArrayInputStream(*, *, *)

156.3. Public methods

- readUnsignedByte() int
- skip(Number) Number
- readBytes(ByteArray, int, int) int

157. ElementTags

In package:org.purepdf.elements

Extends:Object

See online:[ElementTags.as](#)

157.1. Public constants

- NAMED: String
- KEYWORDS: String
- ALIGN_INDENTATION_ITEMS: String
- ITEXT: String
- KEEPTOGETHER: String
- URY: String
- LASTHEADERROW: String
- ALIGN_BASELINE: String
- ALIGN_BOTTOM: String
- NEWPAGE: String
- ALIGN_MIDDLE: String
- LEADING: String
- LETTERED: String
- HEADER: String
- ALIGN_LEFT: String
- TEXTWRAP: String
- CELL: String
- ALT: String
- LISTSYMBOL: String
- AUTO_INDENT_ITEMS: String
- FONT: String

- BACKGROUND_COLOR: String
- LOCALGOTO: String
- EMBEDDED: String
- REMOTEGOTO: String
- BGBLUE: String
- IGNORE: String
- COLOR: String
- NOWRAP: String
- LOCALDESTINATION: String
- ANNOTATION: String
- NUMBER: String
- BGGREEN: String
- LEFT: String
- NEWLINE: String
- UNDERLYING: String
- ENCODING: String
- GENERICTAG: String
- NUMBERDEPTH: String
- AUTHOR: String
- BGRED: String
- BORDERCOLOR: String
- DEFAULT: String
- OFFSET: String
- ANCHOR: String
- GREEN: String
- PLAINHEIGHT: String
- BLUE: String
- APPLICATION: String
- NUMBERED: String
- PAGE_SIZE: String
- CELLSFITPAGE: String
- BORDERWIDTH: String
- ALIGN_CENTER: String
- CHAPTER: String
- ALIGN_JUSTIFIED: String
- CELLPADDING: String
- COLSPAN: String
- ORIENTATION: String
- CELLSPACING: String
- REFERENCE: String
- PRODUCER: String
- CONTENT: String
- CONVERT2PDF: String
- TABLE: String
- IMAGE: String

- RED: String
- CREATIONDATE: String
- BOTTOM: String
- LISTITEM: String
- LOWERCASE: String
- PLAINWIDTH: String
- DESTINATION: String
- ALIGN_JUSTIFIED_ALL: String
- ROTATION: String
- DEPTH: String
- ALIGN_TOP: String
- ENTITY: String
- WIDTHS: String
- DEFAULTDIR: String
- ROW: String
- LLX: String
- UNKNOWN: String
- ROWSPAN: String
- LLY: String
- LIST: String
- PHRASE: String
- CHUNK: String
- TITLE: String
- TOP: String
- SCALEDHEIGHT: String
- FACE: String
- WIDTH: String
- SRC: String
- SECTION: String
- SCALEDWIDTH: String
- GRAYFILL: String
- OPERATION: String
- SIZE: String
- ABSOLUTEX: String
- PARAGRAPH: String
- RIGHT: String
- FIRST: String
- SYMBOLINDENT: String
- ALIGN_RIGHT: String
- HORIZONTALALIGN: String
- ABSOLUTEY: String
- SUBSUPSCRIPT: String
- NAME: String
- VERTICALALIGN: String
- HORIZONTALRULE: String

- ID: String
- STYLE: String
- PARAMETERS: String
- INDENT: String
- SUBJECT: String
- ALIGN: String
- PAGE: String
- COLUMNS: String
- FILE: String
- URL: String
- INDENTATIONLEFT: String
- INDENTATIONRIGHT: String
- TABLEFITSPAGE: String
- URX: String

157.2. Static methods

- alignmentValue(String) int
- getAlignment(int) String

158. GreekAlphabetFactory

In package:org.purepdf.factories

Extends:Object

See online:[GreekAlphabetFactory.as](#)

158.1. Static methods

- getUpperCaseString(int) String
- getString(int, Boolean) String
- getLowerCaseString(int) String
- getStringAtIndex(int) String

159. PdfArray

In package:org.purepdf.pdf

Extends:PdfObject, ObjectHash, Object

Implemented interfaces:IObject

See online:[PdfArray.as](#)

159.1. Public properties

- isEmpty [readonly] Boolean
- size [readonly] int

159.2. Constructor

- PdfArray(Object)

159.3. Public methods

- contains(PdfObject) Boolean
- add2(Vector.<Number>) Boolean
- addFirst(PdfObject) void
- toString() String
- add(PdfObject) uint
- add3(Vector.<int>) Boolean
- getPdfObject(int) PdfObject
- getArrayList() Vector.<org.purepdf.pdf::PdfObject>
- toPdf(PdfWriter, IOutputStream) void
- isString() Boolean
- isDictionary() Boolean
- isIndirect() Boolean
- getIndRef() PIndirectReference
- getBytes() Bytes
- isNumber() Boolean
- isBoolean() Boolean
- getType() int
- isName() Boolean
- isNull() Boolean
- canBelInObjStm() Boolean
- isArray() Boolean
- equals(Object) Boolean
- hashCode() int

160. Anchor

In package:org.purepdf.elements

Extends:Phrase, Object

Implemented interfaces:ITextElementaryArray, IElement, Iterable

See online:Anchor.as

160.1. Public properties

- url [readonly] URLRequest
- type [readonly] int
- name [readwrite] String
- reference [readwrite] String
- size [readonly] uint
- hasLeading [readonly] Boolean
- isNestable [readonly] Boolean
- isContent [readonly] Boolean
- font [readwrite] Font
- leading [readwrite] Number
- isEmpty [readonly] Boolean

160.2. Constructor

- Anchor(String, Font)

160.3. Static methods

- fromPhrase(Phrase) Anchor
- fromChunk(Chunk) Anchor

160.4. Public methods

- getChunks() Vector.<Object>
- process(IElementListener) Boolean
- toString() String
- add(Object) Boolean
- iterator() Iterator
- initFromPhrase(Phrase) void
- insert(int, Object) void
- getValue(int) Object
- addAll(Iterable) Boolean

161. VectorIterator

In package:org.purepdf.utils.iterators

Extends:Object

Implemented interfaces:Iterator

See online:[VectorIterator.as](#)

161.1. Public properties

- `index` [readonly] int
- `length` [readonly] int

161.2. Constructor

- `VectorIterator`(Vector.<Object>)

161.3. Public methods

- `rewind()` void
- `remove()` void
- `hasNext()` Boolean
- `next()` *

162. UnsupportedOperationException

In package:org.purepdf.errors

Extends:Error, Object

See online:[UnsupportedOperationException.as](#)

162.1. Public properties

- `errorID` [readonly] int

162.2. Constructor

- `UnsupportedOperationException`(*, *)

162.3. Public methods

- `getStackTrace()` String

163. Barcode

In package:org.purepdf.pdf.barcode

Extends:Object

See online:[Barcode.as](#)

163.1. Public constants

- EAN8: int
- CODABAR: int
- POSTNET: int
- UPCA: int
- CODE128: int
- UPCE: int
- SUPP5: int
- CODE128_RAW: int
- SUPP2: int
- EAN13: int
- PLANET: int
- CODE128_UCC: int

163.2. Public properties

- n [readwrite] Number
- checksumText [readwrite] Boolean
- startStopText [readwrite] Boolean
- extended [readwrite] Boolean
- code [readwrite] String
- textAlignment [readwrite] int
- barHeight [readwrite] Number
- x [readwrite] Number
- inkSpreading [readwrite] Number
- size [readwrite] Number
- guardBars [readwrite] Boolean
- font [readwrite] BaseFont
- generateChecksum [readwrite] Boolean
- altText [readwrite] String
- codeType [readwrite] int
- baseline [readwrite] Number

163.3. Public methods

- createTemplateWithBarcode(PdfContentByte, RGBColor, RGBColor) PdfTemplate
- placeBarcode(PdfContentByte, RGBColor, RGBColor) RectangleElement
- createImageWithBarcode(PdfContentByte, RGBColor, RGBColor) ImageElement
- getBarcodeSize() RectangleElement

164. RomanDigit

In package:org.purepdf.factories

Extends:Object

See online:RomanDigit.as

164.1. Constructor

- RomanDigit(String, int, Boolean)

165. CMYKColor

In package:org.purepdf.colors

Extends:ExtendedColor, RGBColor, ObjectHash, Object

Implemented interfaces:IObject

See online:CMYKColor.as

165.1. Public properties

- yellow [readonly] Number
- cyan [readonly] Number
- black [readonly] Number
- magenta [readonly] Number
- type [readonly] int
- alpha [readonly] int
- rgb [readonly] int
- green [readonly] int
- red [readonly] int
- blue [readonly] int

165.2. Constructor

- CMYKColor(*, *, *, *)

165.3. Public methods

- equals(Object) Boolean
- hashCode() int
- validate(int) void
- darker() RGBColor
- setValue(int, int, int, int) void

166. ColumnText

In package:org.purepdf.pdf

Extends:Object

See online:[ColumnText.as](http://code.google.com/p/purepdf/wiki/ColumnText.as)

166.1. Public constants

- GLOBAL_SPACE_CHAR_RATIO: Number
- NO_MORE_COLUMN: int
- START_COLUMN: int
- NO_MORE_TEXT: int

166.2. Public properties

- rightIndent [readwrite] Number
- spaceCharRatio [readwrite] Number
- indent [readwrite] Number
- followingIndent [readwrite] Number
- leading [readonly] Number
- alignment [readwrite] int
- filledWidth [readwrite] Number
- arabicOptions [writeonly] int
- hasZeroHeightElement [readonly] Boolean
- canvas [readwrite] PdfContentByte
- descender [readonly] Number
- yLine [readwrite] Number
- canvases [readwrite] Vector.<org.purepdf.pdf::PdfContentByte>
- multipliedLeading [readonly] Number
- runDirection [readwrite] int
- extraParagraphSpace [readwrite] Number
- useAscender [readwrite] Boolean

166.3. Constructor

- ColumnText(*)

166.4. Static methods

- showTextAligned(PdfContentByte, int, Phrase, Number, Number, Number, int, int) void
- getWidth(Phrase, int, int) Number
- duplicate(ColumnText) ColumnText

166.5. Public methods

- `setSimpleVars(ColumnText)` void
- `setText(Phrase)` void
- `addText(Phrase)` void
- `go(Boolean)` int
- `setSimpleColumn(Number, Number, Number, Number)` void
- `setColumns(Vector.<Number>, Vector.<Number>)` void
- `addElement(IElement)` void
- `setAlignment(int)` void
- `addChunk(Chunk)` void
- `updateFilledWidth(Number)` void
- `setACopy(ColumnText)` void
- `setLeading(Number, Number)` void

167. PdfContentByte

In package:org.purepdf.pdf

Extends:ObjectHash, Object

Implemented interfaces:IObject

See online:[PdfContentByte.as](http://code.google.com/p/purepdf/wiki/PdfContentByte.as)

167.1. Public constants

- `LINE_JOIN_BEVEL`: int
- `LINE_JOIN_ROUND`: int
- `TEXT_RENDER_MODE_STROKE_CLIP`: int
- `ALIGN_CENTER`: int
- `TEXT_RENDER_MODE_INVISIBLE`: int
- `TEXT_RENDER_MODE_FILL`: int
- `LINE_CAP_PROJECTING_SQUARE`: int
- `TEXT_RENDER_MODE_STROKE`: int
- `LINE_CAP_BUTT`: int
- `ALIGN_LEFT`: int
- `TEXT_RENDER_MODE_FILL_CLIP`: int
- `LINE_CAP_ROUND`: int
- `LINE_JOIN_MITER`: int
- `TEXT_RENDER_MODE_CLIP`: int
- `TEXT_RENDER_MODE_FILL_STROKE_CLIP`: int
- `ALIGN_RIGHT`: int
- `TEXT_RENDER_MODE_FILL_STROKE`: int

167.2. Public properties

- pageResources [readonly] PageResources
- writer [readwrite] PdfWriter
- size [readonly] uint
- xTLM [readonly] Number
- pdfDocument [readonly] PdfDocument
- yTLM [readonly] Number

167.3. Constructor

- PdfContentByte(PdfWriter)

167.4. Static methods

- bezierArc(Number, Number, Number, Number, Number, Number)
- Vector.<__AS3__.vec::Vector.<Number>>

167.5. Public methods

- rectangle() void
- setLineWidth(Number) void
- setLineCap(int) void
- stroke() void
- setColorStroke(RGBColor) void
- arc(Number, Number, Number, Number, Number, Number) void
- toString() String
- addImage1(ImageElement, Boolean) void
- resetStroke() void
- setCMYKFillColor(Number, Number, Number, Number) void
- setCMYKStrokeColor(Number, Number, Number, Number) void
- setGrayStroke(Number) void
- setPatternFill(PdfPatternPainter) void
- setGState(PdfGState) void
- setPatternStroke(PdfPatternPainter) void
- setSpotStrokeColor(PdfSpotColor, Number) void
- addImage2(ImageElement, Number, Number, Number, Number, Number, Number, Boolean) void
- setShadingFill(PdfShadingPattern) void
- fill(Boolean) void
- reset(Boolean) void
- setRGBStrokeColor(int, int, int) void
- beginLayer(IPdfOCG) void
- setRGBFillColor(int, int, int) void
- addTemplate(PdfTemplate, Number, Number, Number, Number, Number, Number) void
- setLineDash(Number) void

- concatCTM(Number, Number, Number, Number, Number, Number) void
- setSpotFillColor(PdfSpotColor, Number) void
- circle(Number, Number, Number) void
- clip(Boolean) void
- toPdf(PdfWriter) Bytes
- duplicate() PdfContentByte
- setLineDash3(Number, Number, Number) void
- setShadingStroke(PdfShadingPattern) void
- endText() void
- closePath() void
- addAnnotation(PdfAnnotation) void
- closePathFillStroke(Boolean) void
- showTextAligned(int, String, Number, Number, Number, Boolean) void
- beginText() void
- setLiteral(String) void
- moveText(Number, Number) void
- closePathStroke() void
- saveState() void
- setLineDash4(Vector.<Number>, Number) void
- endLayer() void
- setTextMatrix(Number, Number, Number, Number, Number, Number) void
- setMiterLimit(Number) void
- createAppearance(Number, Number) PdfAppearance
- createPattern(Number, Number, Number, Number) PdfPatternPainter
- getInternalBuffer() ByteBuffer
- setCharacterSpacing(Number) void
- createPatternColor(Number, Number, Number, Number, RGBColor) PdfPatternPainter
- showTextKerned(String) void
- getEffectiveStringWidth(String, Boolean) Number
- curveTo(Number, Number, Number, Number, Number, Number) void
- ellipse(Number, Number, Number, Number) void
- addImage3(ImageElement, Number, Number, Number, Number, Number, Number) void
- lineTo(Number, Number) void
- addImage(ImageElement) void
- showTextArray(PdfTextArray) void
- moveTo(Number, Number) void
- fillStroke(Boolean) void
- resetFill() void
- setColorFill(RGBColor) void
- paintShading(PdfShading) void
- setFontAndSize(BaseFont, Number) void
- addContent(PdfContentByte) void
- setTextRenderingMode(int) void
- setLineDash2(Number, Number) void
- setPatternFill2(PdfPatternPainter, RGBColor) void

- `restoreState()` void
- `newPath()` void
- `variableRectangle(RectangleElement)` void
- `setTextRise(Number)` void
- `setPatternFill3(PdfPatternPainter, RGBColor, Number)` void
- `setWordSpacing(Number)` void
- `setTransform(Matrix)` void
- `getCharacterSpacing()` Number
- `createTemplate(Number, Number, PdfName)` PdfTemplate
- `paintShadingPattern(PdfShadingPattern)` void
- `showText(String)` void
- `setRectangle(RectangleElement)` void
- `setPatternStroke2(PdfPatternPainter, RGBColor)` void
- `setPatternStroke3(PdfPatternPainter, RGBColor, Number)` void
- `setGrayFill(Number)` void
- `roundRectangle(Number, Number, Number, Number, Number)` void
- `setLineJoin(String)` void
- `equals(Object)` Boolean
- `hashCode()` int

168. BarcodeEAN

In package:org.purepdf.pdf.barcode

Extends:Barcode, Object

See online:BarcodeEAN.as

168.1. Public properties

- `n` [readwrite] Number
- `checksumText` [readwrite] Boolean
- `startStopText` [readwrite] Boolean
- `extended` [readwrite] Boolean
- `code` [readwrite] String
- `textAlignment` [readwrite] int
- `barHeight` [readwrite] Number
- `x` [readwrite] Number
- `inkSpreading` [readwrite] Number
- `size` [readwrite] Number
- `guardBars` [readwrite] Boolean
- `font` [readwrite] BaseFont
- `generateChecksum` [readwrite] Boolean
- `altText` [readwrite] String
- `codeType` [readwrite] int
- `baseline` [readwrite] Number

168.2. Static methods

- `getBarsUPCE(String) Vector.<int>`
- `getBarsEAN13(String) Vector.<int>`
- `getBarsEAN8(String) Vector.<int>`
- `getBarsSupplemental5(String) Vector.<int>`
- `getBarsSupplemental2(String) Vector.<int>`

168.3. Public methods

- `getBarcodeSize() RectangleElement`
- `placeBarcode(PdfContentByte, RGBColor, RGBColor) RectangleElement`
- `createTemplateWithBarcode(PdfContentByte, RGBColor, RGBColor) PdfTemplate`
- `createImageWithBarcode(PdfContentByte, RGBColor, RGBColor) ImageElement`

169. Properties

In package:org.purepdf.utils

Extends:Object

Implemented interfaces:IProperties

See online:[Properties.as](#)

169.1. Public properties

- `keys [readonly] KeySet`

169.2. Public methods

- `getProperty(String) String`
- `hasProperty(String) Boolean`
- `remove(String) void`
- `load(ByteArray) void`

170. NullPointerException

In package:org.purepdf.errors

Extends:Error, Object

See online:[NullPointerException.as](#)

170.1. Public properties

- errorID [readonly] int

170.2. Constructor

- NullPointerException(*)

170.3. Public methods

- getStackTrace() String

171. ExtraEncoding

In package:org.purepdf.pdf.encoding

See online:[ExtraEncoding.as](#)

171.1. Public methods

- charToByte(String, String) Bytes

172. StringUtils

In package:org.purepdf.utils

Extends:Object

See online:[StringUtils.as](#)

172.1. Static methods

- endsWith(String, String) Boolean
- trim(String) String
- toCharArray(String) Vector.<int>
- padLeft(String, String, uint) String
- right_trim(String) String
- startsWith(String, String) Boolean
- appendChars(String, Vector.<int>, int, int) void
- left_trim(String) String

173. AlchemyUtils

In package:org.purepdf.utils

Extends:Object

See online:[AlchemyUtils.as](http://code.google.com/p/purepdf/wiki/AlchemyUtils.as)

173.1. Static methods

- getLib() Object

174. DocumentFont

In package:org.purepdf.pdf.fonts

Extends:BaseFont, ObjectHash, Object

Implemented interfaces:IObject

See online:[DocumentFont.as](http://code.google.com/p/purepdf/wiki/DocumentFont.as)

174.1. Public properties

- indirectReference [readonly] PdfIndirectReference
- subset [readwrite] Boolean
- fontType [readonly] int
- compressionLevel [readwrite] int
- encoding [readonly] String
- fontSpecific [readwrite] Boolean

174.2. Public methods

- getWidth(Object) int
- getWidthPoint(Object, Number) Number
- getFontDescriptor(int, Number) Number
- hasKernPairs() Boolean
- getCharBBox(int) Vector.<int>
- addSubsetTange(Vector.<int>) void
- charExists(int) Boolean
- getUnicodeDifferences(int) int
- getKerning(int, int) int
- setKerning(int, int, int) Boolean
- getWidthPointKerned(String, Number) Number
- getUnicodeEquivalent(int) int
- getFamilyFontName() Vector.<__AS3__.vec::Vector.<String>>
- getPostscriptFontName() String
- equals(Object) Boolean
- hashCode() int

175. TIFFFaxDecoder

In package:org.purepdf.pdf.codec

Extends:Object

See online:[TIFFFaxDecoder.as](#)

175.1. Static methods

- reverseBits(Bytes) void

176. Cp437Conversion

In package:org.purepdf.pdf.encoding

Extends:Object

Implemented interfaces:ExtraEncoding

See online:[Cp437Conversion.as](#)

176.1. Public methods

- charToByte(String, String) Bytes

177. DefaultSplitCharacter

In package:org.purepdf.pdf

Extends:Object

Implemented interfaces:ISplitCharacter

See online:[DefaultSplitCharacter.as](#)

177.1. Public constants

- DEFAULT: ISplitCharacter

177.2. Public methods

- isSplitCharacter(int, int, int, Vector.<int>, Vector.<org.purepdf.pdf::PdfChunk>) Boolean

178. CJKFont

In package:org.purepdf.pdf.fonts
Extends:BaseFont, ObjectHash, Object
Implemented interfaces:IObject
See online:CJKFont.as

178.1. Public constants

- CJK_ENCODING: String
- cjkEncodings: Object
- cjkFonts: Object

178.2. Public properties

- subset [readwrite] Boolean
- fontType [readonly] int
- compressionLevel [readwrite] int
- encoding [readonly] String
- fontSpecific [readwrite] Boolean

178.3. Static methods

- isCJKFont(String, String) Boolean

178.4. Public methods

- getFontDescriptor(int, Number) Number
- getPostscriptFontName() String
- getUnicodeEquivalent(int) int
- charExists(int) Boolean
- getCharBBox(int) Vector.<int>
- getKerning(int, int) int
- getFullFontName() Vector.<__AS3__.vec::Vector.<String>>
- hasKernPairs() Boolean
- init(String, String, Boolean) void
- setKerning(int, int, int) Boolean
- getFamilyFontName() Vector.<__AS3__.vec::Vector.<String>>
- setPostscriptFontName(String) void
- getAllNameEntries() Vector.<__AS3__.vec::Vector.<String>>
- getCidCode(int) int
- getWidth(Object) int
- getWidthPoint(Object, Number) Number
- addSubsetTange(Vector.<int>) void
- getUnicodeDifferences(int) int
- getWidthPointKerned(String, Number) Number
- equals(Object) Boolean
- hashCode() int

179. IllegalStateException

In package:org.purepdf.errors

Extends:Error, Object

See online:[IllegalStateException.as](#)

179.1. Public properties

- errorID [readonly] int

179.2. Constructor

- IllegalStateException(*, *)

179.3. Public methods

- getStackTrace() String

180. Character

In package:org.purepdf.lang

Extends:Object

See online:[Character.as](#)

180.1. Public constants

- FAST_PATH_MAX: int
- LOWERCASE_LETTER: int
- MIN_CODE_POINT: int

180.2. Static methods

- isWhitespace(int) Boolean

181. AssertionError

In package:org.purepdf.errors

Extends:Error, Object

See online:[AssertionError.as](#)

181.1. Public properties

- errorID [readonly] int

181.2. Constructor

- AssertionError(*, *)

181.3. Public methods

- getStackTrace() String

182. IPdfPTableEvent

In package:org.purepdf.pdf.interfaces

See online:[IPdfPTableEvent.as](#)

182.1. Public methods

- tableLayout(PdfPTable, Vector.<__AS3__.vec::Vector.<Number>>, Vector.<Number>, int, int, Vector.<org.purepdf.pdf::PdfContentByte>) void

183. BidiLine

In package:org.purepdf.pdf

Extends:Object

See online:[BidiLine.as](#)

183.1. Public properties

- isEmpty [readonly] Boolean

183.2. Static methods

- isWS(int) Boolean
- fromBidiLine(BidiLine) BidiLine

183.3. Public methods

- doArabicShapping() void
- addPiece(int, PdfChunk) void
- getParagraph(int) Boolean
- mirrorGlyphs() void
- trimLeft(int, int) int

- getWidth(int, int) Number
- restore() void
- trimRightEx(int, int) int
- addChunk(PdfChunk) void
- createArrayOfPdfChunks(int, int, PdfChunk) Vector.<org.purepdf.pdf::PdfChunk>
- processLine(Number, Number, int, int, int) PdfLine
- trimRight(int, int) int
- reorder(int, int) void
- save() void
- trimLeftEx(int, int) int
- flip(int, int) void

184. PdfAcroForm

In package:org.purepdf.pdf

Extends:PdfDictionary, PdfObject, ObjectHash, Object

Implemented interfaces:IObject

See online:PdfAcroForm.as

184.1. Public properties

- valid [readonly] Boolean
- size [readonly] int

184.2. Constructor

- PdfAcroForm(PdfWriter)

184.3. Public methods

- addDocumentField(PdfIndirectReference) void
- addFieldTemplates(HashMap) void
- merge(PdfDictionary) void
- getValue(PdfName) PdfObject
- toPdf(PdfWriter, IOOutputStream) void
- mergeDifferent(PdfDictionary) void
- toString() String
- getAsDict(PdfName) PdfDictionary
- remove(PdfName) void
- putAll(PdfDictionary) void
- getKeys() KeySet
- getDirectObject(PdfName) PdfObject
- contains(PdfName) Boolean
- put(PdfName, PdfObject) void

- isString() Boolean
- isDictionary() Boolean
- isIndirect() Boolean
- getIndRef() PRTIndirectReference
- getBytes() Bytes
- isNumber() Boolean
- isBoolean() Boolean
- getType() int
- isName() Boolean
- isNull() Boolean
- canBelInObjStm() Boolean
- isArray() Boolean
- equals(Object) Boolean
- hashCode() int

185. PdfResources

In package:org.purepdf.pdf

Extends:PdfDictionary, PdfObject, ObjectHash, Object

Implemented interfaces:IObject

See online:[PdfResources.as](http://purepdf.sourceforge.net/)

185.1. Public properties

- size [readonly] int

185.2. Public methods

- add(PdfName, PdfDictionary) void
- merge(PdfDictionary) void
- getValue(PdfName) PdfObject
- toPdf(PdfWriter, IOutputStream) void
- mergeDifferent(PdfDictionary) void
- toString() String
- getAsDict(PdfName) PdfDictionary
- remove(PdfName) void
- putAll(PdfDictionary) void
- getKeys() KeySet
- getDirectObject(PdfName) PdfObject
- contains(PdfName) Boolean
- put(PdfName, PdfObject) void
- isString() Boolean
- isDictionary() Boolean
- isIndirect() Boolean

- getIndRef() PRIndirectReference
- getBytes() Bytes
- isNumber() Boolean
- isBoolean() Boolean
- getType() int
- isName() Boolean
- isNull() Boolean
- canBeInObjStm() Boolean
- isArray() Boolean
- equals(Object) Boolean
- hashCode() int

186. GrayColor

In package:org.purepdf.colors

Extends:ExtendedColor, RGBColor, ObjectHash, Object

Implemented interfaces:IObject

See online:GrayColor.as

186.1. Public constants

- GRAYBLACK: GrayColor
- GRAYWHITE: GrayColor

186.2. Public properties

- gray [readonly] Number
- type [readonly] int
- alpha [readonly] int
- rgb [readonly] int
- green [readonly] int
- red [readonly] int
- blue [readonly] int

186.3. Constructor

- GrayColor(Number)

186.4. Public methods

- hashCode() int
- equals(Object) Boolean
- validate(int) void
- darker() RGBColor
- setValue(int, int, int, int) void

187. FilterInputStream

In package:org.purepdf.io

Extends:Object

Implemented interfaces:InputStream

See online:[FilterInputStream.as](#)

187.1. Public properties

- size [readonly] int

187.2. Constructor

- FilterInputStream(*)

187.3. Public methods

- getBuffer() InputStream
- readUnsignedByte() int
- readBytes(ByteArray, int, int) int

188. PdfPTableEventForwarder

In package:org.purepdf.pdf.events

Extends:Object

Implemented interfaces:IPdfPTableEvent

See online:[PdfPTableEventForwarder.as](#)

188.1. Public methods

- tableLayout(PdfPTable, Vector.<__AS3__.vec::Vector.<Number>>, Vector.<Number>, int, int, Vector.<org.purepdf.pdf::PdfContentByte>) void
- addTableEvent(IPdfPTableEvent) void

189. NonImplementatioError

In package:org.purepdf.errors

Extends:Error, Object

See online:[NonImplementatioError.as](#)

189.1. Public properties

- errorID [readonly] int

189.2. Constructor

- NonImplementatioError(*)

189.3. Public methods

- getStackTrace() String

190. ImageRaw

In package:org.purepdf.elements.images

Extends:ImageElement, RectangleElement, Object

Implemented interfaces:IElement

See online:[ImageRaw.as](#)

190.1. Public properties

- deflated [readwrite] Boolean
- matrix [readonly] Vector.<Number>
- hasAbsoluteY [readonly] Boolean
- colorspace [readonly] int
- isInverted [readwrite] Boolean
- scaledHeight [readonly] Number
- alignment [readwrite] int
- annotation [readwrite] Annotation
- absoluteX [readonly] Number
- hasAbsoluteX [readonly] Boolean
- type [readonly] int
- templateData [readwrite] PdfTemplate
- spacingAfter [readwrite] Number
- originalType [readwrite] int
- widthPercentage [readonly] Number
- transparency [readwrite] Vector.<int>
- originalData [readwrite] ByteArray
- absoluteY [readonly] Number
- indentationRight [readonly] Number

- indentationLeft [readonly] Number
- additional [readwrite] PdfDictionary
- imageMask [readwrite] ImageElement
- layer [readonly] IPdfOCG
- spacingBefore [readwrite] Number
- scaledWidth [readonly] Number
- isImgRaw [readonly] Boolean
- isMask [readonly] Boolean
- compressionLevel [readwrite] int
- xyRatio [readwrite] Number
- rawData [readonly] ByteArray
- isInterpolated [readonly] Boolean
- isImgTemplate [readonly] Boolean
- imageRotation [readonly] Number
- isSmask [readonly] Boolean
- bpc [readonly] int
- mySerialId [readonly] Number
- url [readwrite] String
- directReference [readonly] PdfIndirectReference
- borderWidthBottom [readwrite] Number
- borderWidthLeft [readwrite] Number
- borderColorLeft [readwrite] RGBColor
- borderColorRight [readwrite] RGBColor
- borderColorTop [readwrite] RGBColor
- isNestable [readonly] Boolean
- borderColor [readwrite] RGBColor
- borderColorBottom [readwrite] RGBColor
- borderSides [writeonly] int
- isContent [readonly] Boolean
- height [readonly] Number
- grayFill [readwrite] Number
- useVariableBorders [readonly] Boolean
- width [readonly] Number
- border [readwrite] int
- borderWidth [readwrite] Number
- backgroundColor [readwrite] RGBColor
- rotation [readonly] int
- borderWidthTop [readwrite] Number
- borderWidthRight [readwrite] Number

190.2. Constructor

- ImageRaw(*, *, *, *, *, *)

190.3. Public methods

- setDpi(int, int) void
- scaleAbsolute(Number, Number) void
- setRotationDegrees(Number) void
- setAbsolutePosition(Number, Number) void
- setWidthPercentage(Number) void
- scaleAbsoluteWidth(Number) void
- makeMask() void
- scaleToFit(Number, Number) void
- setRotation(Number) void
- scalePercent(Number, Number) void
- initFromImageElement(ImageElement) void
- scaleAbsoluteHeight(Number) void
- hasBorder(int) Boolean
- rectangle(Number, Number) RectangleElement
- getChunks() Vector.<Object>
- rotate() RectangleElement
- hasBorders() Boolean
- toString() String
- getTop(Number) Number
- setTop(Number) void
- getLeft(Number) Number
- getBottom(Number) Number
- disableBorderSide(int) void
- setBottom(Number) void
- enableBorderSide(int) void
- setRight(Number) void
- softCloneNonPositionParameters(RectangleElement) void
- normalize() void
- getRight(Number) Number
- setLeft(Number) void
- cloneNonPositionParameters(RectangleElement) void
- process(IElementListener) Boolean

191. RectangleElement

In package:org.purepdf.elements

Extends:Object

Implemented interfaces:IElement

See online:[RectangleElement.as](#)

191.1. Public constants

- BOTTOM: int
- TOP: int
- LEFT: int
- RIGHT: int
- ALL: int
- UNDEFINED: int
- NO_BORDER: int
- BOX: int

191.2. Public properties

- borderWidthBottom [readwrite] Number
- borderWidthLeft [readwrite] Number
- borderColorLeft [readwrite] RGBColor
- borderColorRight [readwrite] RGBColor
- borderColorTop [readwrite] RGBColor
- isNestable [readonly] Boolean
- borderColor [readwrite] RGBColor
- borderColorBottom [readwrite] RGBColor
- borderSides [writeonly] int
- isContent [readonly] Boolean
- height [readonly] Number
- grayFill [readwrite] Number
- type [readonly] int
- useVariableBorders [readonly] Boolean
- width [readonly] Number
- border [readwrite] int
- borderWidth [readwrite] Number
- backgroundColor [readwrite] RGBColor
- rotation [readonly] int
- borderWidthTop [readwrite] Number
- borderWidthRight [readwrite] Number

191.3. Constructor

- RectangleElement(Number, Number, Number, Number)

191.4. Static methods

- clone(RectangleElement) RectangleElement

191.5. Public methods

- `hasBorder(int)` Boolean
- `rectangle(Number, Number)` RectangleElement
- `getChunks()` Vector.<Object>
- `rotate()` RectangleElement
- `hasBorders()` Boolean
- `toString()` String
- `getTop(Number)` Number
- `setTop(Number)` void
- `getLeft(Number)` Number
- `getBottom(Number)` Number
- `disableBorderSide(int)` void
- `setBottom(Number)` void
- `enableBorderSide(int)` void
- `setRight(Number)` void
- `softCloneNonPositionParameters(RectangleElement)` void
- `normalize()` void
- `getRight(Number)` Number
- `setLeft(Number)` void
- `cloneNonPositionParameters(RectangleElement)` void
- `process(IElementListener)` Boolean

192. PdfName

In package:org.purepdf.pdf

Extends:PdfObject, ObjectHash, Object

Implemented interfaces:IComparable, IObject

See online:PdfName.as

192.1. Public constants

- `SUBJECT`: PdfName
- `DEVICERGB`: PdfName
- `OPT`: PdfName
- `HOFFSET`: PdfName
- `EMBEDDEDFILES`: PdfName
- `PI`: PdfName
- `TI`: PdfName
- `HELVETICA_BOLD`: PdfName
- `COLLECTIONITEM`: PdfName
- `HID`: PdfName
- `USEOC`: PdfName
- `KEYWORDS`: PdfName
- `HIDEMENUBAR`: PdfName
- `MCR`: PdfName
- `HIGHLIGHT`: PdfName
- `HIDETOOLBAR`: PdfName
- `COLLECTIONSCHEMA`: PdfName

- TRIMBOX: PdfName
- WIDTH: PdfName
- CALGRAY: PdfName
- LAST: PdfName
- HIDEWINDOWUI: PdfName
- COLLECTIONSORT: PdfName
- OCPROPERTIES: PdfName
- MMTYPE1: PdfName
- FITWINDOW: PdfName
- CENTERWINDOW: PdfName
- ROWS: PdfName
- N0: PdfName
- COLLECTIONSUBITEM: PdfName
- DEVICECMYK: PdfName
- N2: PdfName
- PAGE: PdfName
- WS: PdfName
- DISPLAYDOCTITLE: PdfName
- DIRECTION: PdfName
- FUNCTIONTYPE: PdfName
- C0: PdfName
- N1: PdfName
- OPEN: PdfName
- TOUNICODE: PdfName
- ZADB: PdfName
- N3: PdfName
- N4: PdfName
- NEXT: PdfName
- JS: PdfName
- PRIVATE: PdfName
- CONDITION: PdfName
- SORT: PdfName
- SPEED: PdfName
- CAPTION: PdfName
- SQUIGGLY: PdfName
- NONFULLSCREENPAGEMODE: PdfName
- PRINTAREA: PdfName
- NAVIGATION: PdfName
- SPAN: PdfName
- CONFIGURATION: PdfName
- PRINTCLIP: PdfName
- NAVIGATIONPANE: PdfName
- SOUND: PdfName
- TRANSPARENCY: PdfName
- DEVICEGRAY: PdfName
- CONFIGURATIONS: PdfName
- PRINTSCALING: PdfName
- NEAR: PdfName
- VIEWCLIP: PdfName
- DUPLEX: PdfName
- CONTACTINFO: PdfName
- VIEWAREA: PdfName
- PV: PdfName
- GAMMA: PdfName
- FO: PdfName
- MARKED: PdfName

- NEEDAPPEARANCES: PdfName
- NEWWINDOW: PdfName
- SIGFLAGS: PdfName
- NUMCOPIES: PdfName
- ST: PdfName
- PUBSEC: PdfName
- PRINTPAGERANGE: PdfName
- RANGE: PdfName
- QUOTE: PdfName
- PICKTRAYBYPDFSIZE: PdfName
- BYTERANGE: PdfName
- STATE: PdfName
- REASON: PdfName
- QUADPOINTS: PdfName
- PAGELAYOUT: PdfName
- FULLSCREEN: PdfName
- STDCF: PdfName
- NM: PdfName
- PAINTTYPE: PdfName
- ITALICANGLE: PdfName
- STAMP: PdfName
- ONECOLUMN: PdfName
- CALRGB: PdfName
- WC: PdfName
- SINGLEPAGE: PdfName
- NONSTRUCT: PdfName
- COUNT: PdfName
- REFERENCE: PdfName
- TWOCOLUMNRIGHT: PdfName
- TWOPAGERIGHT: PdfName
- RC: PdfName
- RECIPIENTS: PdfName
- CUEPOINT: PdfName
- STMF: PdfName
- YSTEP: PdfName
- NOTE: PdfName
- STRUCTPARENT: PdfName
- STRIKEOUT: PdfName
- XSTEP: PdfName
- RECT: PdfName
- REGISTRYNAME: PdfName
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- CUEPOINTS: PdfName
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- BLOCKQUOTE: PdfName
- STRF: PdfName
- PATTERN: PdfName
- CAPHEIGHT: PdfName
- TILINGTYPE: PdfName
- NUMS: PdfName
- DEST: PdfName
- RENDITION: PdfName
- RESETFORM: PdfName
- USEATTACHMENTS: PdfName
- OBJ: PdfName

- DC: PdfName
- TWOPAGELEFT: PdfName
- BLACKPOINT: PdfName
- FIRSTPAGE: PdfName
- PREVPAGE: PdfName
- WHITEPOINT: PdfName
- DEACTIVATION: PdfName
- STRUCTTREEROOT: PdfName
- OBJR: PdfName
- AC: PdfName
- ORDER: PdfName
- BACKGROUND: PdfName
- ASCENT: PdfName
- SUBFILTER: PdfName
- RI: PdfName
- LASTPAGE: PdfName
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- FILEATTACHMENT: PdfName
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- FITH: PdfName
- JAVASCRIPT: PdfName
- DEFAULTCRYPTFILTER: PdfName
- ACTIVATION: PdfName
- LINEAR: PdfName
- TA: PdfName
- DEFAULTGRAY: PdfName
- DEFAULTRGB: PdfName
- RICHMEDIA: PdfName
- TABLEROW: PdfName
- BORDER: PdfName
- NEXTPAGE: PdfName
- FS: PdfName
- DESC: PdfName
- OPENACTION: PdfName
- PATTERN: PdfName
- STANDARD: PdfName
- NAMED: PdfName
- OSCILLATING: PdfName
- OCMD: PdfName
- RICHMEDIAACTIVATION: PdfName
- SW: PdfName
- OUTPUTCONDITION: PdfName
- ADBE: PdfName
- PS: PdfName
- THEAD: PdfName
- SUBMITFORM: PdfName
- DESTOUTPUTPROFILE: PdfName
- BINDINGMATERIALNAME: PdfName
- RICHMEDIACOMMAND: PdfName
- URI: PdfName
- THREADS: PdfName
- RICHMEDIAANIMATION: PdfName
- ISMAP: PdfName

- BITSPERSAMPLE: PdfName
- RICHMEDIACONFIGURATION: PdfName
- BINDING: PdfName
- TBODY: PdfName
- GOTO: PdfName
- OUTPUTINTENT: PdfName
- OUTPUTCONDITIONIDENTIFIER: PdfName
- ACTION: PdfName
- TD: PdfName
- NONE: PdfName
- OBJSTM: PdfName
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- RICHMEDIACONTENT: PdfName
- PAGELABELS: PdfName
- BIGFIVE: PdfName
- OUTPUTINTENTS: PdfName
- THUMB: PdfName
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- RICHMEDIAREXECUTE: PdfName
- RICHMEDIAPRESENTATION: PdfName
- BASEFONT: PdfName
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- TOGGLE: PdfName
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- SQUARE: PdfName
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- RICHMEDIAWINDOW: PdfName
- ENCODING: PdfName
- W2: PdfName
- TIME: PdfName
- DL: PdfName
- ROLEMAP: PdfName
- DA: PdfName
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- DOCMDP: PdfName
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- WIN_ANSI_ENCODING: PdfName
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- PASSCONTEXTCLICK: PdfName
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- **DV**: PdfName
- **UR**: PdfName
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- **DISSOLVE**: PdfName
- **USER**: PdfName
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- **ASCIHEXDECODE**: PdfName
- **DUR**: PdfName
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- **ANNOTS**: PdfName
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- **ADBE_PKCS7_S5**: PdfName
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- **IMAGEI**: PdfName
- **TIMES_ITALIC**: PdfName
- **ASSETS**: PdfName
- **TM**: PdfName
- **EVENT**: PdfName
- **AS**: PdfName
- **LOCKED**: PdfName
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- **OFF**: PdfName

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- USERUNIT: PdfName
- DR: PdfName
- AUTHEVENT: PdfName
- IMPORTDATA: PdfName
- INK: PdfName
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- RBGROUPS: PdfName
- INSTANCES: PdfName
- ALLPAGES: PdfName
- TYPE0: PdfName
- TU: PdfName
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- ZAPFDINGBATS: PdfName
- TABLE: PdfName
- FILTER: PdfName
- VOFFSET: PdfName
- DESCENDANT FONTS: PdfName
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- VERSION: PdfName
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- BLINDS: PdfName
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- SHADING: PdfName
- TIMES_BOLDITALIC: PdfName
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- OCG: PdfName
- CRYPT: PdfName
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- ORDERING: PdfName
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- SUBTYPE: PdfName
- CIDFONTTYPE0: PdfName
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- LBODY: PdfName
- CREATORINFO: PdfName
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- ca: PdfName
- OPM: PdfName
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- PREFERRED: PdfName

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- PUREPDF: PdfName
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- PANOSE: PdfName
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- MARKINFO: PdfName
- COURIER: PdfName
- RV: PdfName
- CODE: PdfName
- DUPLEXFLIPSHORTEGE: PdfName
- FF: PdfName
- BBOX: PdfName
- SV: PdfName
- GTS_PDFXVERSION: PdfName
- COURIER_BOLD OBLIQUE: PdfName
- DUPLEXFLIPLONGEDGE: PdfName
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- HIDE: PdfName
- PREV: PdfName

- DESTS: PdfName
- CREATOR: PdfName

192.2. Constructor

- PdfName(String)

192.3. Static methods

- encodeName(String) Bytes

192.4. Public methods

- compareTo(Object) int
- equals(Object) Boolean
- toString() String
- hashCode() int
- isString() Boolean
- isDictionary() Boolean
- isIndirect() Boolean
- toPdf(PdfWriter, OutputStream) void
- getIndRef() PIndirectReference
- getBytes() Bytes
- isNumber() Boolean
- isBoolean() Boolean
- getType() int
- isName() Boolean
- isNull() Boolean
- canBelInObjStm() Boolean
- isArray() Boolean

193. PdfIndirectReference

In package:org.purepdf.pdf

Extends:PdfObject, ObjectHash, Object

Implemented interfaces:IObject

See online:[PdfIndirectReference.as](http://code.google.com/p/purepdf/wiki/PdfIndirectReference.as)

193.1. Public properties

- generation [readonly] int
- number [readonly] int

193.2. Constructor

- PdfIndirectReference(int, int, int)

193.3. Public methods

- toString() String
- isString() Boolean
- isDictionary() Boolean
- isIndirect() Boolean
- toPdf(PdfWriter, OutputStream) void
- getIndRef() PIndirectReference
- getBytes() Bytes
- isNumber() Boolean
- isBoolean() Boolean
- getType() int
- isName() Boolean
- isNull() Boolean
- canBeInObjStm() Boolean
- isArray() Boolean
- equals(Object) Boolean
- hashCode() int

194. IProperties

In package:org.purepdf.utils

See online:IProperties.as

194.1. Public properties

- keys [readonly] KeySet

194.2. Public methods

- hasProperty(String) Boolean
- remove(String) void
- load(ByteArray) void
- getProperty(String) String

195. PdfCrossReferenceCollection

In package:org.purepdf.collections

Extends:Object

Implemented interfaces:Iterable

See online:[PdfCrossReferenceCollection.as](http://code.google.com/p/purepdf/wiki/PdfCrossReferenceCollection.as)

195.1. Public properties

- last [readonly] PdfCrossReference
- length [readonly] int
- first [readonly] PdfCrossReference
- realIndices [readonly] Vector.<int>

195.2. Public methods

- getElement(int) PdfCrossReference
- iterator() Iterator
- add(PdfCrossReference) Boolean
- remove(PdfCrossReference) Boolean

196. PdfDashPattern

In package:org.purepdf.pdf

Extends:PdfArray, PdfObject, ObjectHash, Object

Implemented interfaces:IObject

See online:[PdfDashPattern.as](http://code.google.com/p/purepdf/wiki/PdfDashPattern.as)

196.1. Public properties

- isEmpty [readonly] Boolean
- size [readonly] int

196.2. Constructor

- PdfDashPattern(*, *, *)

196.3. Public methods

- add4(Number) void
- toPdf(PdfWriter, IOutputStream) void
- contains(PdfObject) Boolean
- add2(Vector.<Number>) Boolean
- addFirst(PdfObject) void
- toString() String
- add(PdfObject) uint

- add3(Vector.<int>) Boolean
- getPdfObject(int) PdfObject
- getArrayList() Vector.<org.purepdf.pdf::PdfObject>
- isString() Boolean
- isDictionary() Boolean
- isIndirect() Boolean
- getIndRef() PRIndirectReference
- getBytes() Bytes
- isNumber() Boolean
- isBoolean() Boolean
- getType() int
- isName() Boolean
- isNull() Boolean
- canBelInObjStm() Boolean
- isArray() Boolean
- equals(Object) Boolean
- hashCode() int

197. ImageTemplate

In package:org.purepdf.elements.images

Extends:ImageElement, RectangleElement, Object

Implemented interfaces:IElement

See online:[ImageTemplate.as](#)

197.1. Public properties

- deflated [readwrite] Boolean
- matrix [readonly] Vector.<Number>
- hasAbsoluteY [readonly] Boolean
- colorspace [readonly] int
- isInverted [readwrite] Boolean
- scaledHeight [readonly] Number
- alignment [readwrite] int
- annotation [readwrite] Annotation
- absoluteX [readonly] Number
- hasAbsoluteX [readonly] Boolean
- type [readonly] int
- templateData [readwrite] PdfTemplate
- spacingAfter [readwrite] Number
- originalType [readwrite] int
- widthPercentage [readonly] Number
- transparency [readwrite] Vector.<int>

- originalData [readwrite] ByteArray
- absoluteY [readonly] Number
- indentationRight [readonly] Number
- indentationLeft [readonly] Number
- additional [readwrite] PdfDictionary
- imageMask [readwrite] ImageElement
- layer [readonly] IPdfOCG
- spacingBefore [readwrite] Number
- scaledWidth [readonly] Number
- isImgRaw [readonly] Boolean
- isMask [readonly] Boolean
- compressionLevel [readwrite] int
- xyRatio [readwrite] Number
- rawData [readonly] ByteArray
- isInterpolated [readonly] Boolean
- isImgTemplate [readonly] Boolean
- imageRotation [readonly] Number
- isSmask [readonly] Boolean
- bpc [readonly] int
- mySerialId [readonly] Number
- url [readwrite] String
- directReference [readonly] PdfIndirectReference
- borderWidthBottom [readwrite] Number
- borderWidthLeft [readwrite] Number
- borderColorLeft [readwrite] RGBColor
- borderColorRight [readwrite] RGBColor
- borderColorTop [readwrite] RGBColor
- isNestable [readonly] Boolean
- borderColor [readwrite] RGBColor
- borderColorBottom [readwrite] RGBColor
- borderSides [writeonly] int
- isContent [readonly] Boolean
- height [readonly] Number
- grayFill [readwrite] Number
- useVariableBorders [readonly] Boolean
- width [readonly] Number
- border [readwrite] int
- borderWidth [readwrite] Number
- backgroundColor [readwrite] RGBColor
- rotation [readonly] int
- borderWidthTop [readwrite] Number
- borderWidthRight [readwrite] Number

197.2. Constructor

- ImageTemplate(*)

197.3. Public methods

- setDpi(int, int) void
- scaleAbsolute(Number, Number) void
- setRotationDegrees(Number) void
- setAbsolutePosition(Number, Number) void
- setWidthPercentage(Number) void
- scaleAbsoluteWidth(Number) void
- makeMask() void
- scaleToFit(Number, Number) void
- setRotation(Number) void
- scalePercent(Number, Number) void
- initFromImageElement(ImageElement) void
- scaleAbsoluteHeight(Number) void
- hasBorder(int) Boolean
- rectangle(Number, Number) RectangleElement
- getChunks() Vector.<Object>
- rotate() RectangleElement
- hasBorders() Boolean
- toString() String
- getTop(Number) Number
- setTop(Number) void
- getLeft(Number) Number
- getBottom(Number) Number
- disableBorderSide(int) void
- setBottom(Number) void
- enableBorderSide(int) void
- setRight(Number) void
- softCloneNonPositionParameters(RectangleElement) void
- normalize() void
- getRight(Number) Number
- setLeft(Number) void
- cloneNonPositionParameters(RectangleElement) void
- process(IElementListener) Boolean

198. StringTokenizer

In package:org.purepdf.utils

Extends:Object

See online:[StringTokenizer.as](#)

198.1. Constructor

- StringTokenizer(*, *)

198.2. Public methods

- nextToken() String
- hasMoreTokens() Boolean

199. PdfLayerMembership

In package:org.purepdf.pdf

Extends:PdfDictionary, PdfObject, ObjectHash, Object

Implemented interfaces:IPdfOCG, IObject

See online:[PdfLayerMembership.as](#)

199.1. Public properties

- ref [readonly] PdfIndirectReference
- pdfObject [readonly] PdfObject
- size [readonly] int

199.2. Constructor

- PdfLayerMembership(*)

199.3. Public methods

- merge(PdfDictionary) void
- getValue(PdfName) PdfObject
- toPdf(PdfWriter, IOutputStream) void
- mergeDifferent(PdfDictionary) void
- toString() String
- getAsDict(PdfName) PdfDictionary
- remove(PdfName) void
- putAll(PdfDictionary) void
- getKeys() KeySet
- getDirectObject(PdfName) PdfObject
- contains(PdfName) Boolean

- put(PdfName, PdfObject) void
- isString() Boolean
- isDictionary() Boolean
- isIndirect() Boolean
- getIndRef() PRIndirectReference
- getBytes() Bytes
- isNumber() Boolean
- isBoolean() Boolean
- getType() int
- isName() Boolean
- isNull() Boolean
- canBeInObjStm() Boolean
- isArray() Boolean
- equals(Object) Boolean
- hashCode() int

200. Annotation

In package:org.purepdf.elements

Extends:Object

Implemented interfaces:IElement

See online:[Annotation.as](#)

200.1. Public constants

- APPLICATION: String
- URL: String
- MIMETYPE: String
- FILE_PAGE: int
- TEXT: int
- NAMED: String
- CONTENT: String
- URX: String
- URL_NET: int
- PARAMETERS: String
- LAUNCH: int
- NAMED_DEST: int
- DEFAULTDIR: String
- URL_AS_STRING: int
- SCREEN: int
- OPERATION: String
- LLX: String
- URY: String
- FILE: String

- DESTINATION: String
- PAGE: String
- FILE_DEST: int
- TITLE: String
- LLY: String

200.2. Public properties

- attributes [readonly] HashMap
- isNestable [readonly] Boolean
- llx [readonly] Number
- type [readonly] int
- annotationtype [readonly] int
- ury [readonly] Number
- isContent [readonly] Boolean
- lly [readonly] Number
- urx [readonly] Number

200.3. Public methods

- toString() String
- setDimensions(Number, Number, Number, Number) void
- process(IElementListener) Boolean
- getChunks() Vector.<Object>

201. IPdfOCG

In package:org.purepdf.pdf.interfaces

See online:IPdfOCG.as

201.1. Public properties

- ref [readonly] PdfIndirectReference
- pdfObject [readonly] PdfObject

202. Indentation

In package:org.purepdf.pdf

Extends:ObjectHash, Object

Implemented interfaces:IObject

See online:Indentation.as

202.1. Public methods

- equals(Object) Boolean
- hashCode() int

203. FieldText

In package:org.purepdf.pdf.forms

Extends:FieldBase, Object

See online:[FieldText.as](#)

203.1. Public properties

- choices [readwrite] Vector.<String>
- choicesExport [readwrite] Vector.<String>
- text [readwrite] String
- font [readwrite] BaseFont
- borderColor [readwrite] RGBColor
- textColor [readwrite] RGBColor
- alignment [readwrite] int
- backgroundColor [readwrite] RGBColor
- borderWidth [readwrite] Number
- fontSize [readwrite] Number
- borderStyle [readwrite] int

203.2. Constructor

- FieldText(*, *, *)

203.3. Static methods

- obfuscatePassword(String) String
- removeCRLF(String) String

203.4. Public methods

- getListField() PdfFormField
- getAppearance() PdfAppearance
- getTextField() PdfFormField
- getComboField() PdfFormField

204. InputStream

In package:org.purepdf.io

See online:[InputStream.as](#)

204.1. Public properties

- size [readonly] int

204.2. Public methods

- readUnsignedByte() int
- readBytes(ByteArray, int, int) int