

PDFBox - PDF Fonts

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1. Standard 14 Fonts

The PDF specification states that a standard set of 14 fonts will always be available when consuming PDF documents. In PDFBox these are defined as constants in the `PDType1Font` class.

Standard Font
<code>PDType1Font.TIMES_ROMAN</code>
<code>PDType1Font.TIMES_BOLD</code>
<code>PDType1Font.TIMES_ITALIC</code>
<code>PDType1Font.TIMES_BOLD_ITALIC</code>
<code>PDType1Font.HELVETICA</code>
<code>PDType1Font.HELVETICA_BOLD</code>
<code>PDType1Font.HELVETICA_OBLIQUE</code>
<code>PDType1Font.HELVETICA_BOLD_OBLIQUE</code>
<code>PDType1Font.COURIER</code>
<code>PDType1Font.COURIER_BOLD</code>
<code>PDType1Font.COURIER_OBLIQUE</code>
<code>PDType1Font.COURIER_BOLD_OBLIQUE</code>
<code>PDType1Font.SYMBOL</code>
<code>PDType1Font.ZAPF_DINGBATS</code>

2. TrueType Fonts

2.1. Embedding TrueType Fonts

PDFBox supports embedding TrueType fonts. Loading a new font is easy.

```
PDDocument doc = PDDocument.load( ... );
PDFont font = PDTrueTypeFont.loadTTF( doc, new File(
"SpecialFont.ttf" ) );
```

2.2. External TrueType Fonts

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While it is recommended to embed all fonts for greatest portability not all PDF producer applications will do this. When displaying a PDF it is necessary to find an external font to use. PDFBox will look for a mapping file to use when substituting fonts.

PDFBox will load `Resources/PDFBox_External_Fonts.properties` off of the classpath to map font names to TTF font files. The `UNKNOWN_FONT` property in that file will tell PDFBox which font to use when no mapping exists.