PDF

Roman Rakus

VŠB - TU

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Short introduction to PDF

- Portable Document Format (PDF)

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- Portable Document Format (PDF)
- Open standard for document exchange

- Portable Document Format (PDF)
- Open standard for document exchange
- Independed of the application software, hardware and operating system

History

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Brief history of PDF

- Created by Adobe Systems

Creation

- Created by Adobe Systems
- Created in 1993

Creation

- Created by Adobe Systems
- Created in 1993
- Originally a proprietary format

Adobe's PDF specifications

Year	Specification	Acrobat version
1993	PDF 1.0	Acrobat 1.0
1994	PDF 1.1	Acrobat 2.0
1996	PDF 1.2	Acrobat 3.0
1999	PDF 1.3	Acrobat 4.0
2001	PDF 1.4	Acrobat 5.0
2003	PDF 1.5	Acrobat 6.0
2005	PDF 1.6	Acrobat 7.0
2006	PDF 1.7	Acrobat 8.0
2008	PDF 1.7, Adobe Extension Level 3	Acrobat 9.0
2009	PDF 1.7, Adobe Extension Level 5	Acrobat 9.1

Adobe's PDF specifications

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- Adobe will not product PDF 1.8 reference
- Adobe products supplements (extensions)

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Adobe's PDF specifications

- Adobe will not product PDF 1.8 reference
- Adobe products supplements (extensions)
- Future verions of PDF will be produced by ISO technical committees

- PDF open standard July 1, 2008
- ISO 32000-1:2008
- Several versions and standards
- Working on PDF 2.0

Some technical informations about PDF.

File structure

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PDF consists primarily of 8 types of objects

1. Booleans
2. Numbers
3. Strings
4. Names
5. Arrays - ordered collections of objects
6. Dictionaries - collection of objects indexed by Names
7. Streams - large amount of data
8. Null object

Imaging model

PDF basic design of graphics is very similar to PostScript. PDF 1.4 adds transparency.