

Highend PDF: Where are we today?

- New features (and bugs) in
 - PDF
 - Distiller 4.0
 - Acrobat 4.0
- What we need...
- More information...



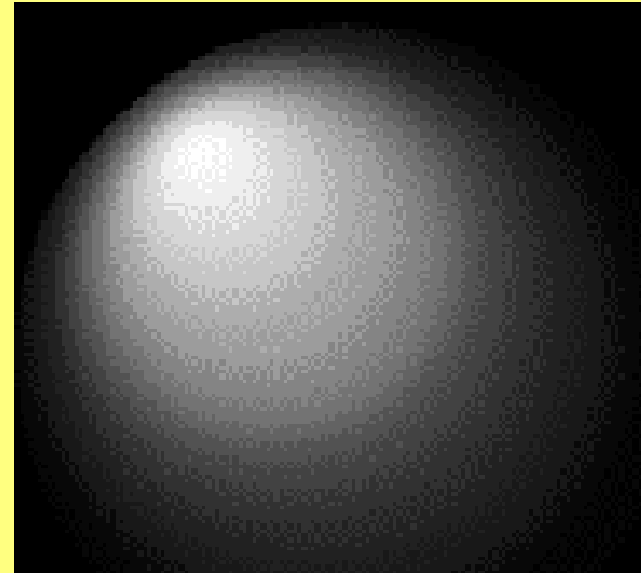
**The PDF specification is quite complete.
But publishing applications do not
support all of these features yet!**



Smooth shading (blends)



PostScript Level-2



PostScript 3



Application support is not necessary for this because of idiom recognition in Distiller 4.0.



DeviceN

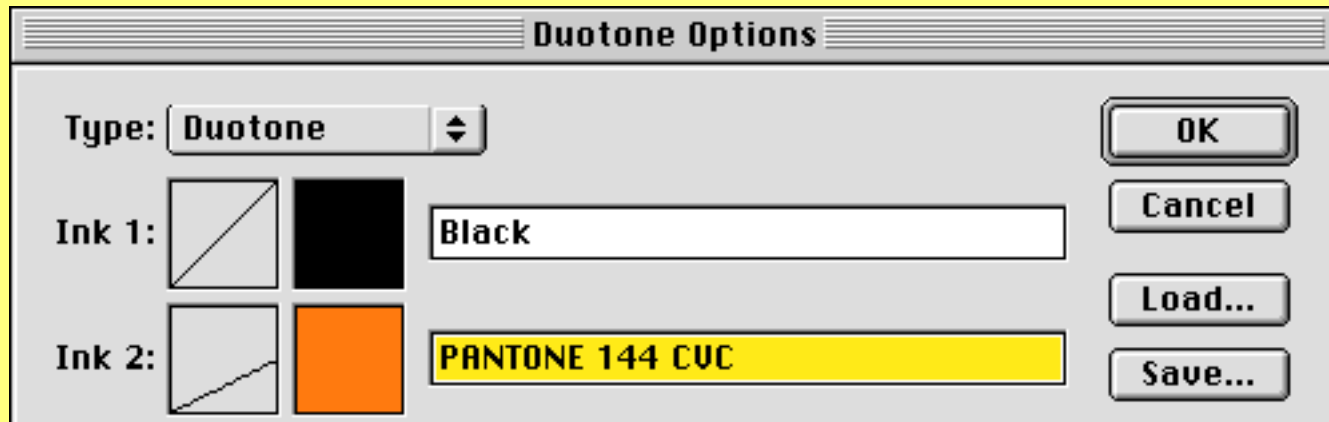
Feature

- Multitones (Duotone etc.)
- Spot color gradients
- Colorized TIFF images

Application support

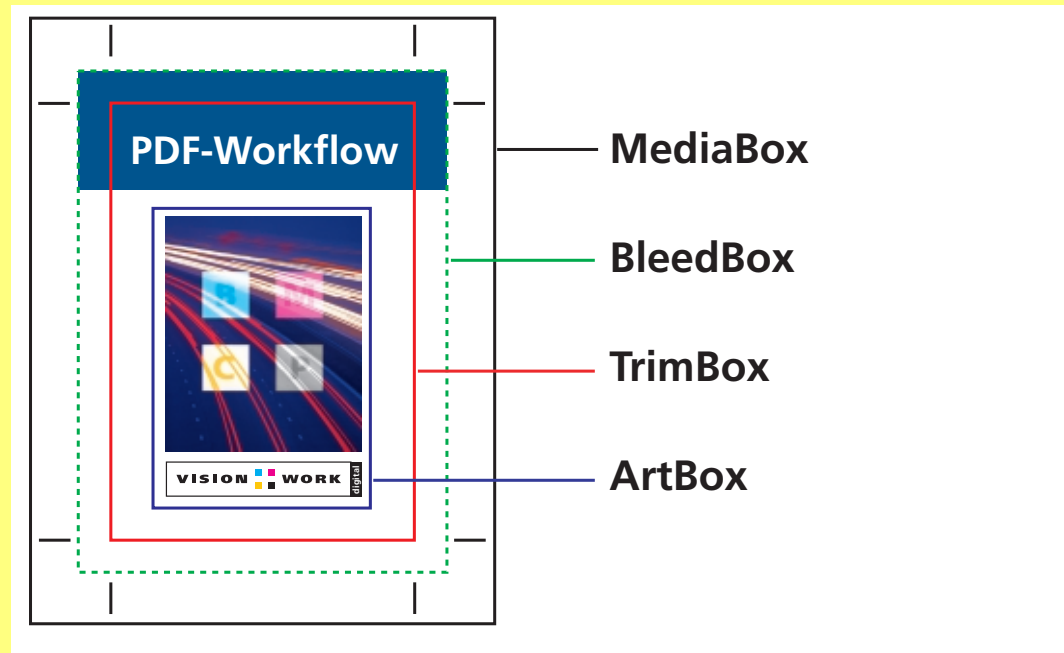
- PhotoShop 5.02
- Illustrator 8.0.1
- InDesign 1.0

Application support in PostScript output is necessary!!!



Bleed information

■ BleedBox / TrimBox / ArtBox definitions



Applications (e.g. Quark) need to write the bleed information into the PostScript file (pdfmark).

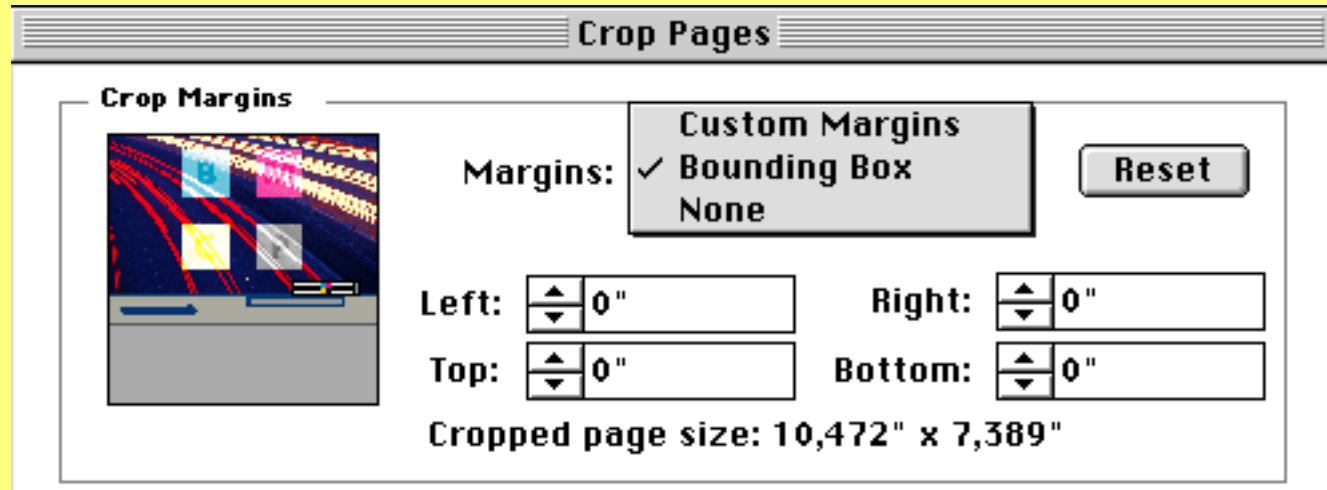


In the meantime you can use tools such as "ExpertOptions for Distiller 4.0" from Lupin Software...



Bleed information / 2

- Crop to BleedBox / TrimBox / ArtBox missing in Acrobat 4.0



Text editing

- Only allowed when font installed!



We need the ability to do last minute editing in PDF documents!



Font embedding restrictions

- Non-embedding flag in TrueType fonts (and soon in OpenType...)

```
Distilling: Chicago.ps
Source: System-PBG3:Adobe Acrobat 4.0
Int:Distiller:PostScript-Files:Chicago.ps
Destination: System-PBG3:Adobe Acrobat 4.0
Int:Distiller:PostScript-Files:Chicago.pdf
Start Time: Samstag, 29. August 1999 at 13:41 Uhr
%%[ Warning: Chicago cannot be embedded due to licensing restrictions. ]%%
Distill Time: 1 seconds (00.00.01)
**** End of Job ****
```



This behaviour is VERY DANGEROUS!

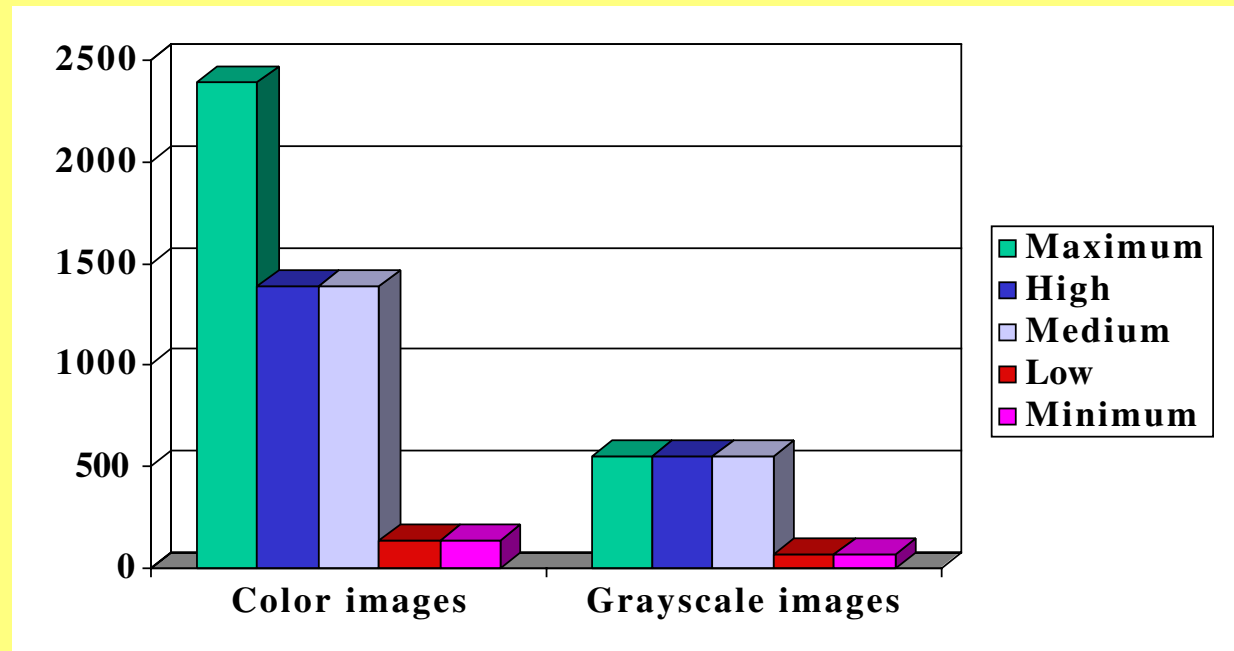
=> We need a new licensing model for fonts

-> Digital Rights Management discussion...



Bugs in Distiller 4.0/4.01

- Compression setting for Color and Grayscale images are not working as expected.



- Downsampling Monochrome images is not working at all.



What we need from...

- **Layout and Graphic applications**
 - DeviceN support for colorized TIFF and spot color gradients
 - Bleed information
 - Better support of composite workflow
 - Trapping (Quark!) or trap zones for PJTF
- **Adobe Acrobat**
 - Remove bugs!!!
 - Crop to Bleed/Trim/ArtBox
 - Preview of overprint
 - Color management for output
 - Color separation
 - Printer marks
 - Jobticket editor
 - ...



More information...



- www.visionwork.net

Four brochures on PDF workflow in English and German, written by Stephan Jaeggi – published by Heidelberg and Creo

- Basics (released Aug. 29th)
- Management (release Sept. 15th)
- Creation (release Sept. 15th)
- Production (release Sept. 15th)

- www.prepress.ch

Information on PDF for Prepress in english and german (incl. free newsletter »PDF-Aktuell«).

