PostScript text frames

This powerful feature allows to add interactive features in PDF and much more.

FrameMaker was one of the first applications supporting PostScript and then PDF. In the early days of FrameMaker nearly no graphic applications existed[30]. With the PostScript text frames graphical tricks and enhancement to generated PDF could (and still can) be provided. Unfortunately this feature is not documented since FM-4 (and there it consists only of about two sentences in the help file).

Creating a PostScript frame

1 On the page (not within the text flow frame) draw a text frame.

2 Insert the `PostScript` or `pdfmark` code into the text frame[31].

3 Select the text frame with **CTRL+click**.

4 In **Graphics > Object Properties > Text frame** active **PostSCript Code**.

5 You can now not change the text in the frame anymore.

6 If the `PostScript` or `pdfmark` code is not valid, you get messages from the Distiller.

Note: *To be able to modify the contents of this text frame you need to de-activate the property PostScript Code.*

Note: *You may wish to create two object styles for the text frame:* `PostScript ON` *and* `PostScript OFF`.

PostScript example

PostScript is a page description language developed by Adobe. See *Generate PDF from a FrameMaker document* on page 10-4.
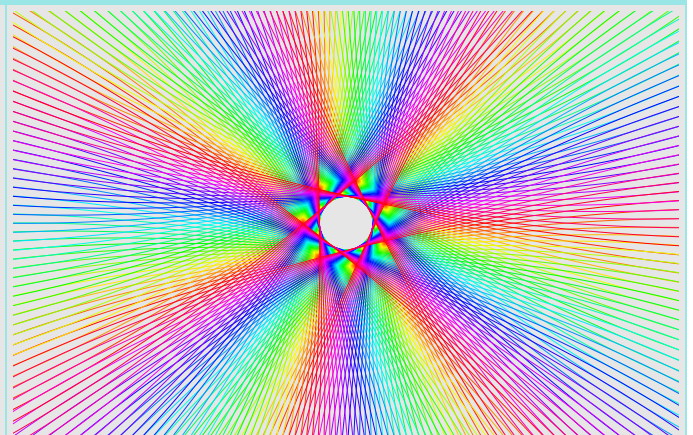
Code in the frame	The frame for PDF - it crops the drawing

<pre>% Since the code is quite long,
% I just import it here
% this file must be in the same directory
% as the calling FM file (this file)
 	
#include "spyrograph.ps"
 	
% This file was published in 29 Oct 1990
§ by
% Christopher Tate
% Bitnet: cxt105@psuvm
% Uucp: ...!psuvax1!psuvm.bitnet!cxt105
% Internet: cxt105@psuvm.psu.edu</pre>	

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30 Keep in mind that FrameMaker was developed on UNIX systems.
31 See the *Literature* on page C-23 about PostScript and pdfmark.

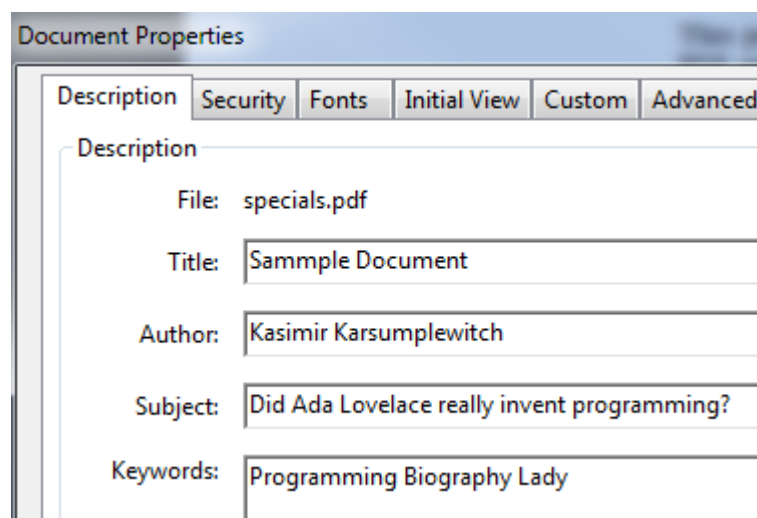E:\FM-compendium\specials.fm

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PDF Mark

pdfmark is a special PostScript command for embedding information in PostScript files. These commands are read by the Distiller and adds special functions to the PDF file.

Until FM did not support document information directly via **File > File Info** this could be achieved with the following code in a PostScript text frame:

```
pop pop pop pop                    %remove coordinates from stack
/pdfmark where {pop} {userdict /pdfmark /cleartomark load put} ifelse
[ /Title (Sammple Document)
   /Author (Kasimir Karsumplewitch)
   /Subject (Did Ada Lovelace really invent programming?)
   /Keywords (Programming Biography Lady)
/DOCINFO pdfmark
```

result in PDF

Pdfmark reference

See www.adobe.com/.../pdfmark_reference.pdf

Some details

- The frame size and location depends on whether or not the respective PDF feature needs geometrical information. For example form fields need this information

Code in the frame	The frame for PDF

`/pdfmark where {pop} {userdict /pdfmark /cleartomark load put} ifelse`
`[ /Rect [ 7 -4 roll 4 -2 roll pop pop 0 0 ]`
`/T (Unterschrift)`
`/Subtype /Widget`
`/FT /Sig`
`/ANN pdfmark`	

- The content of the PostScript text frame may overlay existing copy text. It is not visible in the pdf.

  The next page shows this effect of presentation within FrameMaker by the framed picture.

PDF Mark¶

```
pop pop pop pop %remove¶
/pdfmark where {pop} {userdict
/pdfmark /cleartomark load put}
ifelse¶
[ /Title (Sammple Document)¶
)  /Author (Kasimir
Karsumplewitch)¶
)  /Subject (Did Ada Lovelace
really invent programming?)¶
)  /Keywords (Programming
Biography Lady)¶
/DOCINFO pdfmark¶
```

```
pop pop pop pop %remove coordinates from stack¶
/pdfmark where {pop} {userdict /pdfmark /cleartomark load put} ifelse¶
[ /Title (Sammple Document)¶
  /Author (Kasimir Karsumplewitch)¶
  /Subject (Did Ada Lovelace really invent programming?)¶
  /Keywords (Programming Biography Lady)¶
/DOCINFO pdfmark¶
```

······················result·in·PDF:······

pdfmark is a special PostScript command for embedding information in PostScript files. These commands are read by the Distiller and adds special functions to the PDF file.¶

Until FM did not support document information directly via **File > File Info** this could be achieved with the following code in a PostScript text frame:¶

- The PostScript code need not be visible completely in the frame. An overflow line is common. You might develop the PostScript / pdfmark code separately and then paste it into the frame.

- A convenient way to edit the PostScript code is to use the #include statement. See *PostScript example* on page 30.

- You can use any paragraph format in the frame. Any superfluous white space (tabs, new lines) is ignored in PostScript files. Comments are placed after a % sign.