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05.06.95

Readme file of the PostScript Forms System.

This file contains specifications concerning the following subjects:

- 1) The PostScript Forms System in general.
- 2) The Files made available in this package
- 3) The Installation of the PostScript Forms System

1) The PostScript Forms System.

The software is shareware. If you use it in production, you have to register it. A registration form is used as an example for the application of the Postscript Form System in this package.

Registered users can get assistance. If errors are reported, these errors are corrected as soon as possible.

Comments and proposals for the improvement and extension of the system are welcomed from everyone.

You may send e-mail to the following Compuserve userid: 100042,1471.

The postal address is:

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Mr. Schmitt, Hermann is the designer of the system. The programmer is Mr. Müller, Arno.

We plan to extend the system both concerning the features of the system and concernig the operating system. The software as it is presented here is usable under OS/2.

Registered users will be informed about extensions of the system. It is not sure, if new versions of the software are again uploaded to Compuserve.

The system was tested with Harvard Graphics Version 3.0. It is not known, if it can be used with other graphics software without change. But it is sure, that it can be adapted to other graphics software, if this software can output the graphics as PostScript data stream.

The software was built with the development environment C Set++ Version 2.1 for OS/2. Probably the software in the present form is only usable in the runtime environment of C Set++. But the outhors intend to make the software independent of any runtime environment soon.

2) The Files made available in this package.

The files are listed in the following. But first they are described briefly, especially their interconnections.

First you should read file (1): It contains the user's guide to the PostScript Forms System. Files (2), (3) are supplements to the user's guide. File (2) contains a graphical presentation of the generation of a forms print program, file (3) of the execution of a forms print program.

Files (4) -(8) comprise an example for the generation of a forms print program, the form which is used as an example is the registration form.

File (9) contains a batch batch file, which can be invoked in order to generate a forms print program.

File (10) contains the program with which forms print programs are generated.

- 1) File Name: PSFGUIDE.PS
User's Guide to the PostScript Forms System

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- 2) File Name: FIGURE_1.PS
Graphical Representation of the Generation of a Forms Print Program
- 3) File Name: FIGURE_2.PS
Graphical representation of the Execution of a Forms Print Program
- 4) File Name: REGIST.PS
Registration Form as PostScript Data Stream
- 5) File Name: REGIST.SPE
Print Specification File of the Registration Form
- 6) File Name: REGIST.C
Source of the Forms Print Program for the Registration Form
- 7) File Name: REGIST.VAR
Example of a Varfile for the Registration Form
- 8) File Name: REGIST.EXE
Forms Print Program for the Registration Form
- 9) File Name: PSFORM.CMD
Batch File for the Genration of Forms Print Programs
- 10) File Name: GENER.EXE
Program for the Generation of Forms Print Programs.
- 11) File Name: PSF.OBJ
All the functions, which will be needed to run the Forms Print Program.
- 12) File Name: MSG.H
Header File: Messages of the PostScript Forms System.
- 13) File Name: GLOBALS.H
Header File: Global field declarations of the PostScript Forms System.
- 14) File Name: README.PS
General Information on the PostScript Forms System

3) The Installation of the Postscript Forms System

After the extraction is completed successfully, no further installation is necessary. The main program generates a C source-file. It is suggested that this file will be compiled and linked with the IBM C++-Set 2.0 (or higher), including the IBM Development Toolset. If you use any other Compiler, you have to make changes to the file PSFORM.CMD. At the beginning and at the end of this command file are sections, where temporary variables are set with the SET-command. These sections have to be adapted to the environment of your C-Compiler or deleted. Then you have to change the command line of the C-Compiler, which is as follows:

```
ICC /Fe %1.EXE /B"psf.obj /de" /Ss /Wall /Tx /Fl- /Ls /Le /Ti /Tm 'C-Source-File'
```

Replace this line with a command, that will call your C-Compiler and Linker.

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There is no specification of the include file parameter. You have to add this, if your INCLUDE environment variable does not list the directories where include files are found.

Replace this line with a command, that will call your C-Compiler and Linker.

User of IBM C Set++ can change the Compiler Options (see above) if required by the environment.