Frequently Asked Questions about emTeX[*]

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Abstract

This is an edited[1] version of a document called *emTeX-user Frequently Asked Questions*. Eberhard Mattes sent this document on october 3rd, 1993 to the `emtex-user` list. In the community of dutch TeX-users emTeX is widely spread. So questions to the *list* are probably also valuable for many emTeX-users without direct access to the list.

1 emTeX386

1.1 DPMI

emTeX386 says 'DPMI not supported'. How can I run emTeX386 under Windows?

There will be a simple solution soon.

Editor: At this moment there is a way to run emTeX386 under Windows using a different so called 'DOS-extender'. Eberhard Mattes wrote his own 'DOS-extender' which is called **EMX**, the latest version is 0.8f. There exists another 'DOS-extender' called **RSX**, which is highly compatible with EMX and runs only under 'DPMI'-systems (= MS-Windows). RSX is written by Rainer Schnitker. emTeX386 can be configured to use RSX in stead of EMX. In this way emTeX386 can be run under Windows. Regrettably there are some minor inconveniences with this method at this moment. At the time of this writing the 'simple solution' is not yet known to the editor.

2 DVI Drivers

2.1 DVISCR's 800x600 resolution

How do I get 800x600 resolution with DVISCR?

Manufacturer	Card type	DVISCR options
Acumos	AVGA2	/oa103:800:600:58
	AVGA3	/oa103:800:600:58
Advance Logic	AL2101	/oa103:800:600:2B
Ahead	V5000	/oa103:800:600:71
ATI	VGAWONDER	/oa103:800:600:54
	Graphics Ultra etc.	/oa103:800:600:54
Chips and Technologies		/oa103:800:600:6A
Cirrus Logic	CL-GD 500/600	/oa103:800:600:64
	CL-GD 5422	/oa103:800:600:58
	CL-GD 5426/5428	/oa103:800:600:58
Compaq	VGA	/oa103:800:600:59
CTI		/oa103:800:600:6A
Diamond Stealth		/oa103:800:600:4F02:0102
Everex		/oa103:800:600:70:02
Genoa	5xxx, Sigma VGA	/oa103:800:600:29
Genoa	6xxx	/oa103:800:600:6A
MXIC	MX 68010	/oa103:800:600:55
NCR	77C22	/oa103:800:600:58
OAK Technologies	OTI-067	/oa103:800:600:52
	OTI-077	/oa103:800:600:52
	OTI037C	/oa103:800:600:52
	OTI037C with NEL BIOS	/oa103:800:600:5B
Orchid Prodesigner		/oa103:800:600:29
Paradise		/oa103:800:600:58
Poach		/oa103:800:600:6A
Primus		/oa103:800:600:2A
Realtek	RT 3106	/oa103:800:600:1F
S3		/oa103:800:600:4F02:0102
Tecmar		/oa103:800:600:16
Trident	8900	/oa103:800:600:5B
Tseng	ET-3000	/oa103:800:600:29
	ET-4000	/oa103:800:600:29
VEGA		/oa103:800:600:29
VESA	compatible adapters	/oa103:800:600:4F02:0102
Video 7	SVGA	/oa103:800:600:62
WD90C11		/oa103:800:600:5C
Western Digital		/oa103:800:600:58

2.2 DVISCR and 1024x768 resolution

How do I get 1024x768 resolution with dviscr?

DVISCR does not support 1024x768. If you select a 1024x768 mode with the `/oa` option, dviscr will use the first 512 lines of the display, the remaining 256 lines will remain black.

3 HP LaserJet IV at 600DPI

How do I get 600 DPI on a HP LaserJet IV?

Here's how to obtain 600 DPI output on a LaserJet IV with dvihplj 1.4s:

- Create the file 600dpi.pcl by copying the following text to a file named 600dpi.txt:
  ```
  ESC "&u600D" and typing
  makedot -b 600dpi.txt 600dpi.pcl
  ```
- Use the following dvihplj command line options:
  ```
  /r600 /og600 /or2 /ob+ /pi:600dpi.pcl
  ```

This prints everything in graphics mode. Using download fonts will be supported in a future dvihplj version (1.4t).

3.1 600-DPI fonts for HP LaserJet IV

`modes.mf` 0.12 claims that:

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[*] This is an edited version of the document Eberhard Mattes sent to the emTeX-user list.

[1] Editor: Jos Winnink.

```
mode_def laserjetIV =
  proofing:=0;
  fontmaking:=1;
  tracingtitles:=0;
  pixels_per_inch:=600;
  blacker:=0;
  fillin:=.2;
  o_correction:=.6;
enddef;
```

is the METAFONT mode to be used with the HP LaserJet IV for 600 DPI.

3.2 Automatic generation of fonts

How do I enable automatic generation of missing fonts?

Get dvidrv 1.4s and MFjob 1.1l.

3.3 Problems after generation of fonts

The driver won't find the font after generating a missing font. Why?

That's a rounding problem. As temporary fix, add the size of the font as generated by MFjob to the list of font sizes searched by the driver. For instance, if the driver wants cmr10<746.63959> and MFjob puts the font into the 746dpi directory (instead of 747dpi), use

        /fz:+747

(You might want to add that option to the batch file or to the configuration file.)

4 LATEX

4.1 LATEX problems

I have a LATEX problem. Who can help?

Please do not send general TEX, LATEX, $\mathcal{AMS}$-TEX, NFSS etc. questions to the `emtex-user list`. You should use the `info-tex@shsu.edu` list or the `comp.text.tex` newsgroup instead.

5 Miscellaneous

5.1 emTEX for ...

Is there an emTeX version for Amiga, CP/M, Linux, Macintosh, Unix, ...?

No.

emTEX is available only for OS/2, MS-DOS, and PC-DOS. There are other ports of TEX for other machines and operating systems.

5.2 Entering the emTEX-user list

Write a friendly message to
        `emtex@methan.chemie.fu-berlin.de`,
requesting subscription to emtex-user.

5.3 Leaving the emTEX-user list

How do I unsubscribe from the emtex-user list?

Write a friendly message to
        `emtex@methan.chemie.fu-berlin.de`,
requesting unsubscription from emtex-user.
Do not write to the list (emtex-user@...)!!!

5.4 Where to get emTEX?

Where to get emTEX, latest versions

The latest versions of emTEXare available from:
- ftp.uni-stuttgart.de [129.69.1.12]
  in: /soft/tex/systems/msdos/emtex[2]
- `ftp.tex.ac.uk` [134.151.44.19]
  in: /pub/archive/systems/msdos/emtex
- `ftp.shsu.edu` [192.92.115.10]
  in: /tex-archive/systems/msdos/emtex
- `ftp.informatik.tu-muenchen.de`
  [131.159.0.198]
  in: /pub/comp/os/os2/emTeX
- `ftp.cs.ruu.nl`
  in: /pub/TEX/MSDOS/emtex
- FGBBS. NTG's Bulleting Board FGBBS (085-217041).

5.5 Latest available versions

The latest versions (see betatest directory) are:

dvidrv	1.4s
emTeX386	3.141 [3c-beta8]
MF386	2.71 [3c-beta1]
MFjob	1.11

6 Questions to be answered in a future revision of this FAQ

- *Where can I get a spell checker for emTEX?*
- *How do I convert DVI files to plain text files?*
- *How do I create a Fax with emTEX?*
- *What's the best shell (user interface) for emTEX?*
- *'Fatal font file error; I'm stymied'. What to do now?*
- *How do I avoid emTEX's truncating file names to 8.3.*
- *Is there a driver for the XYZ printer?*
- *How do I avoid '2520 graphics mode not supported'?*

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[2]IMPORTANT NOTE: The archive at ftp.uni-stuttgart.de will move to a new machine soon. The directory and the IP address will change, the name will remain **ftp.uni-stuttgart.de**