

A Japanese T_EX system for Linux Zaurus

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1 ptetex - Japanese patch collection for teTeX

This cramfs image is a Japanese T_EX environment on **Sharp Linux Zaurus SL-C series**, which is built with “**ptetex – Japanese patch collection for teTeX**” of Nobuyuki Tsutimura¹, and distributed in the hope that this will be useful, but **WITHOUT ANY WARRANTY; without even the implied warranty of MECHANABILITY or FITNESS FOR A PARTICULAR PURPOSE.**

2 CONTENTS

- Disk image(cramfs) - ptetex3-YYYYMMDD-X.img
- GnuPG signature² - ptetex3-YYYYMMDD-X.img.sig³
- README(Japanese) - ptetex3-jp.pdf
- README(This file) - ptetex3.pdf

3 INSTRUCTION to INSTALL

You should mount the cramfs image to ‘/usr/local/teTeX’ as following.

```
$ su -
# mkdir /usr/local/teTeX
# mount -t cramfs -o loop /hdd3/ptex3-20060907-1.img /usr/local/teTeX
# exit
$ export PATH=/usr/local/teTeX/bin:$PATH
```

4 INSTALLED COMMANDS

Installed commands and styles are listed bellow.

¹<http://www.nn.ij4u.or.jp/~tutimura/tex/ptetex.html>

²fingerprint: FD37 E25F AE69 EFC5 1099 1E54 176A 299E 85C0 3486

³Get my public key from <http://www.focv.com/maru.asc> or pgp.mit.edu to verify.

```

kpsewhich= 3.5.4
tex      = 3.141592 (Web2C 7.5.4) (kpathsea 3.5.4)
ptex     = 3.141592-p3.1.10 (euc) (Web2C 7.5.4) (kpathsea 3.5.4)
dvips    = 5.95b p1.7a (Japanese ok)
pdvips   =
xdvi     =
pxdvi    =
dviptfm  = 0.13.2c
dviptfm  = 20050831 (Japanese ok)
mendex   = 2.6d
jpost    = 0.641-0.04 (euc) (Web2C 7.5.4) (kpathsea 3.5.4)
gs       =

jsclasses= 060212
utf      = v1.8.6.1
otf      = v1.2.8

```

5 HOW to USE

Now you could compile T_EX file to DVI and make PDF with ‘dviptfm’. If you want to make a Japanese fonts embedded PDF, you should add options⁴ to dviptfm and some Japanese OpenType or TrueType fonts are required.

```

$ platex hogehoge.tex
$ dviptfm hogehoge

```

6 REQUIREMENTS

You don’t need any other libraries, but you need some Japanese OpenType or TrueType fonts if you make fonts embedded. Japanese fonts should be installed at ‘/opt/QtPalmtop/lib/X11/fonts{TrueType,opentype}’.

```

ex.
$ platex something.tex
$ dviptfm -f ptex-hiragino.map -f otf-hiragino.map \
  -f utf-hiragino.map something.dvi
$ xpdf something.pdf

```

Font files should be installed like this.

```

/opt/QtPalmtop/lib/X11/fonts/TrueType/ipag.ttf
/opt/QtPalmtop/lib/X11/fonts/TrueType/ipagp.ttf
/opt/QtPalmtop/lib/X11/fonts/TrueType/ipagui.ttf
/opt/QtPalmtop/lib/X11/fonts/TrueType/ipam.ttf
/opt/QtPalmtop/lib/X11/fonts/TrueType/ipamp.ttf
/opt/QtPalmtop/lib/X11/fonts/TrueType/msgothic.ttc

```

⁴-f {ptex,utf,otf}-{hiragino,kozuka,ipa}.map

/opt/QtPalmtop/lib/X11/fonts/TrueType/msmincho.ttc

/opt/QtPalmtop/lib/X11/fonts/opentype/HiraKakuPro-W3.otf
/opt/QtPalmtop/lib/X11/fonts/opentype/HiraKakuPro-W6.otf
/opt/QtPalmtop/lib/X11/fonts/opentype/HiraKakuStd-W8.otf
/opt/QtPalmtop/lib/X11/fonts/opentype/HiraMaruPro-W4.otf
/opt/QtPalmtop/lib/X11/fonts/opentype/HiraMinPro-W3.otf
/opt/QtPalmtop/lib/X11/fonts/opentype/HiraMinPro-W6.otf
/opt/QtPalmtop/lib/X11/fonts/opentype/KozGoPro-Medium.otf
/opt/QtPalmtop/lib/X11/fonts/opentype/KozGoStd-Regular.otf
/opt/QtPalmtop/lib/X11/fonts/opentype/KozMinPro-Regular-Acro.otf
/opt/QtPalmtop/lib/X11/fonts/opentype/KozMinProVI-Regular.otf

7 DOWNLOAD

The latest image could be downloaded at <http://www.focv.com/ipkg/> and official announcement should be posted at <http://tty0.exblog.jp/> in Japanese.

8 APPENDIX

Xpdf 3.01p12⁵ for X/Qt Server⁶ on Sharp ROM is provided so you can see PDF on your Zaurus. Xpdf package requires some additional packages, such as 'xpdf-langs', 'urw-fonts' and 'lesstif'. Also Japanese OpenType fonts, Hiragino or Kozuka, should be installed to view Japanese characters.

If you want to view some large PDF, you should expand `tmpfs` of your Zaurus. The default size of `tmpfs` is up to 1 MB so that `/tmp` is easily exceeded.

9 ACKNOWLEDGMENT

Special thanks to Mr. Nobuyuki Tsutimura and Mr. Takaki Makino⁷.

⁵<http://www.focv.com/ipkg/>

⁶<http://xqt.sourceforge.jp/>

⁷<http://www.snowelm.com/~t/doc/tips/20031120.ja.html>