Frequently Asked Questions

about PPCHT_EX

Version: October 29, 2001

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T_EX aborts with a message concerning memory shortage, stack overflow or whatever.

The user interface of PPCHT_EX as well as its command interpreter needs more stacksize than T_EX offers by default. Depending on the complexity of graphics, T_EX also needs more memory (P_ICT_EX) or string space (PSTRICKS).

This problem can be solved by increasing some compile and/or runtime constants. Some T_EX implementations need a remake of the binary, others can be tuned using commandline flags or adapting the initialization file.

When running pdftex, we use the next set of constants. These also suit CONTEXT, which is probably the most memory hungry package around.

main_memory	=	2000000	tr	ie_size	=	64000
extra_mem_top	=	0	hy	ph_size	=	1000
extra_mem_bot	=	0	bu	f_size	=	5000
font_mem_size	=	200000	ne	st_size	=	250
font_max	=	500	ma	x_in_open	=	15
hash_extra	=	40000	pa	ram_size	=	1000
pool_size	=	500000	sa	ve_size	=	5000
string_vacancies	=	25000	st	ack_size	=	1000
max_strings	=	50000				
pool_free	=	475000				

Hans Hagen



How do I prepare teTeX for $PPCHT_EX$?

To use PPCHT_EX with teTeX 0.4 you have to compile the teTeX sources because the precompiled binaries have a parameter stack size of 60. (This problem will disappear with the upcoming teTeX 0.9 coming based on the new web2c 7.0. With this version you will be able to change memory parameters during run-time). You can get this per ftp from:

sunsite.informatik.rwth-aachen.de
/pub/comp/tex/teTeX/distrib/sources/teTeX-src-*.tar.gz

Edit the file .../teTeX-src-*/kpse-2.6/web2c/tex/tex.ch to suit your needs. For PPCHT_EX a parameter stack of 200 will work, you may also consider editing the parameters mentioned in another part of the faq.

Read the installation instructions carefully (make sure all the needed programs for compilation are installed) and do a make world. Compilation will take quite some time (about 45 minutes on a 486 DX4 with 40MB running Linux).

Dirk Kuypers

When I run PPCHT_EX in \LaTeX , T_EX runs out of dimension registers.

There are 256 $\langle dimensions \rangle$ avialable in T_EX. LAT_EX and its style files however allocate quite some of them. This means that P_ICT_EX, which uses over 100 $\langle dimensions \rangle$ itself, can hardly be run along many style files.

The solution is simple: use the generic CONIEXT module m-pictex. This small module loads PICIEX in a more efficient way, using $\langle skips \rangle$ instead of $\langle dimensions \rangle$ when possible.

Hans Hagen

■ IATEX ■



How do I run PPCHTEX in CONTEXT?

PPCHTEX obeys the filename rules of CONTEXT. This means that it can be loaded with:

\usemodules [pictex,chemic]

or

\usemodules [pstricks,chemic]

Like CONTEXT this package supports more than one interface, like dutch and german. Of course one needs to use the loading command that belongs to the interface in use.

Hans Hagen

 $CONT_{E}XT$

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How do I run PPCHT_EX in L^MT_EX?

You can basically run PPCHT_EX in L^MT_EX like you do in PLAIN TeX. But instead of \input file you should say: \usepackage{m-pictex} \usepackage{m-ch-en}

The file m-pictex.tex automatically loads the files pre-pic and post-pic which are needed for P_ICT_EX when using L^MT_EX.

Tobias Burnus







How do I run PPCHT _E X in PLAIN T _E X?
Just say:
<pre>\input m-pictex \input m-ch-en</pre>
Some additional modules are loaded automatically. In fact there is no difference between loading in PLAIN T_EX and IAT_EX .
Hans Hagen

PLAIN T_EX

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Who can answer my questions (mailing list)?

At the address ntg-ppchtex@ntg.nl you can contact those who have subscribed to the PPCHTEX mailing list. In this list you can ask for support of other users. In order to receive their ansers and questions you have to subscribe.

To subscribe to the PPCHTEX listserver send this message:

To: majordomo@ntg.nl

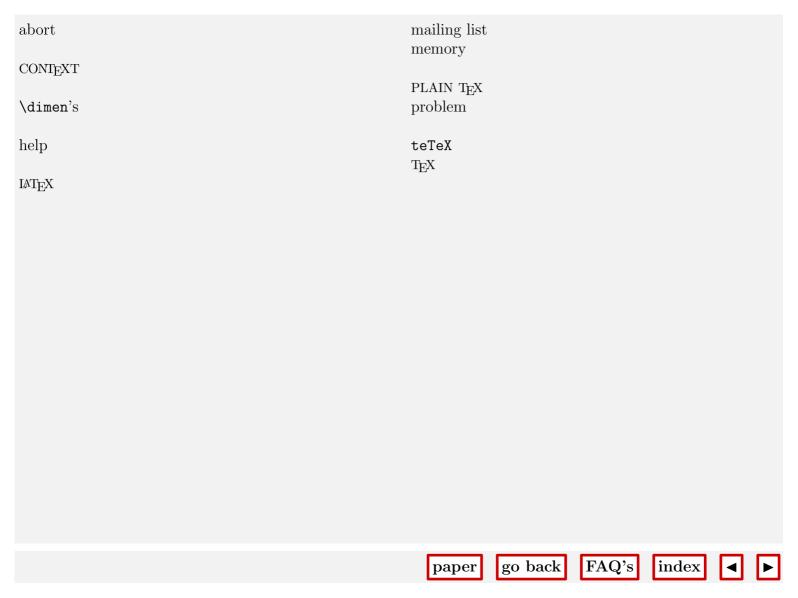
Subject: 'ignored'

Body: subscribe ntg-ppchtex

To get additional information about the commands send a message with help in the body to the listserver address. If you want to unsubscribe this list, send a mail to the listserver with the command unsubscribe ntg-ppchtex in the body. Both commands request a confirmation. The listserver will send you a mail and you have to confirm it.

Tobias Burnus





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