

NRP Report – Test File

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For writing NRP report we provide files as follows:

	L ^A T _E X	ConT _E Xt
template definition	nrp-report.cls	nrp-cont-report.tex
minimal	nrp-report-min.tex	nrp-cont-report-min.tex
test & example	nrp-report-test.tex	nrp-cont-report-test.tex
bibtex data	nrp-report.bib	nrp-report.bib

1 T_EX

TeX is a typesetting system written by Donald E. Knuth, who says in the Preface to his book on TeX [1] that it is “intended for the creation of beautiful books — and especially for books that contain a lot of mathematics”.

1.1 How should I pronounce T_EX?

The ‘X’ is “really” the Greek letter Chi, and is pronounced by English-speakers either a bit like the ‘ch’ in the Scots word ‘loch’.

1.2 Information

Except of the T_EXbook [1] an impressive book about T_EX exists in Czech by Petr Olšák [2]. On-line information is summarized in the Table 1.

2 L^AT_EX

LaTeX is a TeX macro package, originally written by Leslie Lamport, that provides a document processing system. LaTeX allows markup to describe the structure of a document, so that the user need not think about presentation. By using document classes and add-on packages, the same document can be produced in a variety of different layouts.

2.1 How should I pronounce L^AT_EX?

Lamport never recommended how one should pronounce LaTeX, but a lot of people pronounce it ‘Lay TeX’ or perhaps ‘Lah TeX’.

2.2 Instalation

The best L^AT_EX installation is TeXLive www.tug.org/texlive. It works on many platforms and operating systems.

2.3 Information

Well known Czech beginners book about L^AT_EX is [3]. Basic on-line L^AT_EX manuals shows Table 2.

3 ConT_EXt

ConT_EXt is a macro package developed by Hans Hagen of Pragma-Ade. ConT_EXt is a document-production system based, like L^AT_EX, on the TeX typesetting system. Whereas L^AT_EX insulates the writer from typographical details, ConT_EXt takes a complementary approach by providing structured interfaces for handling typography, including extensive support for colors, backgrounds, hyperlinks, presentations, figure-text integration, and conditional compilation. It gives the user extensive control over formatting while making it easy to create new layouts and styles without learning the T_EX macro language. ConT_EXt’s unified design avoids the package clashes that can happen with L^AT_EX.

ConT_EXt also integrates MetaFun, a superset of METAPOST and a powerful system for vector graphics. MetaFun can be used as a stand-alone system to produce figures, but its strength lies in enhancing ConT_EXt documents with accurate graphic elements.

3.1 How should I pronounce ConT_EXt?

ConT_EXt is pronounced like the word context, i.e. ‘kon-tekst’.

3.2 Instalation

For most up-to-date ConT_EXt installation follow the page [url:contextminimals]. ConT_EXt is also included in the TeXLive www.tug.org/texlive.

3.3 Information

On-line information about ConT_EXt is listed in Table 3.

4 Typography

Among others we mention excellent book [4], in Czech [5, 6]. See [7] about diploma thesis formatting.

References

- [1] Donald Ervin Knuth. *Computer & Typesetting A: The T_EXbook*. Addison Wesley, 1994.
- [2] Petr Olšák. *T_EXbook naruby*. Konvoj Brno, 1. edition, 1997.
- [3] Jiří Rybička. *L^AT_EX pro začátečníky*. Konvoj, 2. edition, 1999.
- [4] Robert Bringhurst. *The Elements of Typographic Style*. Hartley & Marks, Point Roberts, WA, USA, version 2.4 edition, 2001.
- [5] Bohuslav Blažej. *Grafická úprava tiskovin*. SPN, 1. edition, 1990.
- [6] Pavel Pop, Jindřich Fléger and Vladimír Pop. *Ruční sazba I*. Státní pedagogické nakladatelství Praha, 2. edition, 1989.
- [7] Eduard Polách. *Pravidla sazby diplomových prací*. <http://home.pf.jcu.cz/~edpo/pravidla/pravidla.pdf>.



Figure 1. Test figure.

Table 1. T_EX on-line information.

www.tug.org	T _E X User Group
www.cstug.cz	Czechoslovak T _E X User Group
www.tex.ac.uk/cgi-bin/texfaq2html	T _E X FAQ

Table 2. L^AT_EX on-line information.

tex.loria.fr/general/latex2e.html	on-line reference manual
www.ctan.org/get/info/lshort/english/lshort.pdf	beginners' manual

Table 3. ConT_EXt on-line information.

www.contextgarden.net	wiki
wiki.contextgarden.net/ConTeXt_on_Excursion%2C_translations	beginners' manual
texshow.contextgarden.net	reference manual
www.pragma-ade.com/general/manuals/cont-eni.pdf	manual
www.pragma-ade.com/general/manuals/metafun-s.pdf	vector graphics manual