Die T_EXnische Komödie **4/2019–1/2020**

Die T_EXnische Komödie is the journal of DANTE e.V., the German-language T_EX user group (`dante.de`). Non-technical items are omitted.

Die T_EXnische Komödie 4/2019

Esther Bonhag, Sebastian Bonhag, Johannes Hielscher, Nils Pickert, Don Knuth's 80. Geburtstag – oder: Wie der Erlanger T_EX-Stammtisch auf Polarexpedition ging [Don Knuth's 80th birthday — or: How the Erlangen T_EX User Group went on a polar expedition]; pp. 11–19

It all started the day when Donald E. Knuth had his 117_8th birthday. Triggered by this event Heise Online had published an article on the hexadecimal dollar of Don Knuth. As usual this article made Sebastian continue reading in Wikipedia and Don's homepage, where a presentation held by Knuth, "A Possibly Swedish Pipe Organ Fantasy", on the next Friday at the KTH Royal Institute of Technology in Stockholm was announced.

Uwe Ziegenhagen, "Making T_EX Great Again" – Die T_EX Users Group-2019-Tagung in Palo Alto ["Making T_EX Great Again" — The T_EX Users Group 2019 Meeting in Palo Alto]; pp. 19–26

The T_EX Users Group meeting for the 40th birthday of T_EX gave me the opportunity to go to California. In this article I present impressions from this trip.

Falk Zscheile, DANTE e.V. auf den Kieler Open Source und Linuxtagen [DANTE at the Kiel Open Source and Linux Days]; pp. 27—31

When DANTE e.V. asked for someone to take care of their booth at the Open Source and Linux days in Kiel, a mere three weeks had passed since the DANTE folks had managed to help me significantly when I visited their booth in Sankt Augustin. This showed me how important personal relationships were even in our digital world, and convinced me to follow their call to Kiel.

Johannes Hielscher, Kirchheim „unter T_EX": Die DANTE-Herbsttagung 2019 [Kirchheim "unter T_EX": The DANTE Autumn Event 2019]; pp. 32–33

Besides the members meeting led by Martin Sievers, the focus of this event was the activities sponsored by DANTE. Doris Behrendt and Johannes Hielscher presented their impressions from the L^AT_EX Village in the Chaos Communication Camp in Mildenberg, close to Berlin.

Mathias Magdowski, Personalisierte Aufgaben und passende Musterlösungen zu den Grundlagen der Elektrotechnik automatisiert mit L^AT_EX, `pgfplots` und CircuiTi*k*Z erstellen [Personalized exercises and solutions for electronic sciences, automated with L^AT_EX, `pgfplots` and CircuiTi*k*Z]; pp. 34–44

All students in our lecture on the basics of electronics receive their personal exercise via e-mail, can solve this manually and send their solution electronically for corrections. To reduce the effort for the lecturers, the students correct the exercises of their peers based on personalized solutions as well. The method is implemented in Matlab and, being highly automated, it also scales very well. Compared with multiple choice or number-unit exercises, the approach and calculations can be graded well. In this article we describe how the typesetting is generated in L^AT_EX with `pgfplots` and CircuiTi*k*Z.

Herbert Voss, Erzeugung von animierten PDF-Dokumenten oder GIF-Dateien [Creating animated PDFs and GIF files]; pp. 45–52

The usage of T_EX and company in schools is limited, unfortunately. But L^AT_EX is very useful, with its packages covering nearly all possible aspects, in the creation of complex animated PDF files. In this article we show an application for use in senior math classes.

Ulrike Fischer, The package `luaotfload`; p. 53

The newest version of the `luaotfload` package allows one to "bolden" fonts artificially. This can, for example, be used to create bold math fonts for headlines, etc.

Marion Lammarsch, Elke Schubert, Reference sheet for a thesis with L^AT_EX 2_ε and KOMA-Script; pp. 54–74

This L^AT_EX Reference Sheet is for writing a thesis with one of the KOMA-Script document classes (`scrartcl`, `scrreprt`, `scrbook`) and all related packages that a thesis in the natural sciences may need. The source code and all parts are provided for creating your own version of a reference sheet, adapted to your personal needs.

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Doris Behrendt, Tagungsbericht GuIT meeting [Conference report of the GuIT Meeting]; pp. 8–13

The 2^{2^2}th meeting of the GuIT (Gruppo Utilizzatori Italiani di T_EX, the Italian T_EX user group), took place in Turin on October 26, 2019. I visited the meeting on behalf of DANTE to deliver birthday greetings.

WALTER ENTENMANN, LuaTEX und `luamplib`
[LuaTEX and `luamplib`]; pp. 14–30

This article describes the embedding of META-
POST code for images in a LATEX document with the
package `luamplib` and the engine LuaTEX. This has
the advantage that text and images are combined
in one document and only one document has to be
created, edited and maintained. The structure of
this new innovative solution is presented and the
commands are explained in detail and illustrated
using examples.

CHRISTINE RÖMER, Diskussion um die
Wiederverwendbarkeit von älteren Dokumenten
[Discussion about reusability of old LATEX
documents]; pp. 31–33

At the end of January there was an interesting
discussion on the internal mailing list for members
of DANTE e.V. about the reusability of old LATEX
files.

ALAN MUNN, Ein zweiseitiger Leitfaden für
LATEX-Pakete [A two-page guide to LATEX
packages]; pp. 35–36

This is a list of the packages that are in my
opinion the most useful for writing papers and theses
in linguistics. I have made no attempt to justify
the choices, but I find almost all of these packages
essential in my own work. The essential packages
and the basic linguistics packages (relevant to your
particular field) should probably be loaded in every
document you write. Unless noted, all packages are
part of TEX Live.

ROLF NIEPRASCHK, Die Schriftfamilie JetBrains
Mono [The font family JetBrains Mono]; p. 37

The company JetBrains recently released the
new Typewriter font JetBrains Mono under the free
Apache 2.0 license. According to its statement, it
is particularly good for displaying program source
texts suitably.

[Received from Herbert Voß.]