
The PracT_EX Journal 2012-1

The PracT_EX Journal is an online publication of the T_EX Users Group. Its web site is <http://tug.org/pracjourn>. All articles are available there.

LANCE CARNES, Editorial—L^AT_EX in the IT world
Editor's introduction to the issue.

EDITORS, Feedback from readers

BRIAN D. BEITZEL, Formatting Sweave and L^AT_EX documents in APA style

[Also published in *TUGboat* 33:1.]

DIMITRIOS VERVERIDIS, DANIEL SCHNEIDER and JOACHIM KÖHLER, The Vocal Tract L^AT_EX package

VocalTract.sty is a package to visualize the vocal tract. A vocal tract is manipulated by a vector of articulation parameters according to S. Maeda's model. Animation can be achieved by providing a sequence of vectors over time, e.g. from Matlab. An embedded sequence of vectors in **VocalTract.sty** for certain German phonemes allows for a sequence of phonemes animation when no vector is available.

HAN LIN SHANG, Writing posters with `beamerposter` package in \LaTeX

The `beamerposter` package in \LaTeX is an excellent tool for the creation of posters. There are several options available using the `beamerposter` package when writing a poster in \LaTeX . Here, I would like to present some of these options associated with the `beamerposter` package. I shall introduce the basics and some useful companion packages that make a poster look neat and nice.

JIM HEFFERON, Seeing stars

MetaPost is a great tool for line art. We walk through creating a rate one-to-five graphic with it, highlighting some of its advantages over a mouse-driven graphics tool.

LUCA MERCIADRI, \TeX in the eBook era

There are many advantages to reading eBooks, and their usage is ever-increasing. There are those who prefer traditional printed books, but there is also a growing audience whose lifestyle and taste is suited to eBooks. We discuss some advantages of using eBooks, and creating them with \LaTeX . We continue by explaining technical aspects that might improve and help you with your \LaTeX eBook. We end with a short discussion about the PDF file format and its use with eBook documents.

HONGBIN MA, Easy-to-use Chinese $\MT\TeX$ Suite

Although there are many free and commercial \TeX collections and distributions, Chinese \TeX ers still have many difficulties in \TeX ing Chinese documents. Some of the problems Chinese \TeX users confront with \TeX distributions are: the huge size, complex structure, nontrivial installation and configuration, lack of a full-featured Chinese editor, and lack of other needed add-ons. These difficulties may prevent many people from becoming \TeX ers or \TeX experts. Motivated by these issues and many other practical demands, the author and several friends developed an easy-to-use and easy-to-learn Chinese $\MT\TeX$ Suite, which is a green, compact, free, convenient, pragmatic and powerful \TeX distribution with many add-ons and unique features which are seldom available in other \TeX distributions. The developers of $\MT\TeX$ have made continuous efforts to make this software more powerful and suitable for \TeX ers, programmers, teachers, and scientists. This article gives a brief introduction to the $\MT\TeX$ suite, including its motivation, main features, installation, usage instructions, kernel, default editor (SciTE \LaTeX IDE), and other add-ons.

YOSSI GIL, Bashful writing and active documents

Computerized typesetting still relies on metaphors drawn from the letterpress printing domain and is still concerned largely with the production of documents printed on paper. Active documents is an emerging technology by which the product of computerized typesetting is more than an aesthetically pleasing composition of letters, words and punctuation characters broken into lines and pages. An active document offers modes of interaction with its reader, while the document itself may change its content in response to events taking place in the external world. Bashful documents, the concept proposed by the `bashful` package, and discussed in this article, extend the user interaction offered by active documents to the time of the document creation. For example, the author of a textbook on computer programming may use `bashful` to automatically include in the text a transcript of a demonstration program, that is a precise replica of the program's execution at the time the document was authored. When writing a report on an important experiment, a scientist may employ `bashful` to automatically execute the experiment, whenever the report's text is run through \LaTeX , and even include the experiment's results in the output document.

RAYANS CARVALHO AND FRANCISCO REINALDO, Documenting ITIL processes with \LaTeX

Many companies have evolved with the implementation of the Information Technology Infrastructure Library (ITIL), using the best practices and processes to achieve practical results. Good practice suggests what to do, but at the same time raises doubts about how to do it and which tools to use to get better work performance in ITIL. Noting these facts, this article presents a \LaTeX -based processes and services documentation tool, as suggested by ITIL.

LARS MADSEN, Avoid eqnarray!

[Published in *TUGboat* 33:1.]

EDITORS, Ask Nelly

Customizing lists?; Producing logos?

EDITORS, Distractions: guitar chords; font quizzes

EDITORS, Book review: *\LaTeX and Friends* by Marc R.C. van Dongen

TOEFL Model Test 1 Structure This section measures the ability to recognize language that is appropriate for standard written English. There are two types of questions in this section. In the first type of question, there are incomplete sentences. 1. Justice Sandra Day O'Connor was __. a. the woman who first b. the first woman c. who the first woman d. the first and a woman 2. North Carolina is well known not only for the great Smoky Mountains National Park __ for the Cherokee settlements. a. also b. and c. but also d. because of 3. If biennials were planted this year It (A4) | over 20 years ago by two young Bolivians, Juan Carlos and Nena. When they started the park, their aim was to provide care for five monkeys which had not been well looked after by their owners, but then they realised there were lots of other wild animals in need of help. 4. If you are a surgeon, you have to deal with even greater responsibility because it really can be a matter of life and death when you are performing an operation. Having said all that, you get a huge amount of job (B3) | and the range of activities emerging in a doctor's (B4) | life means that you never have time to be bored. 5. One of the things which it is of a very poor quality is television. We watch television every day to be entertained, to get information, and see what is happening around the world. B10. 5. It's good to see you all here. More formal 1. 2. I suggest that we begin now. I'd like to present the changes that have been made over the last two months. be + infinitive What I want to do this morning is to show how we can reorganize our working hours. The objective of my presentation is to bring you up to date with the latest changes which will be introduced on January 1. be going to + infinitive I'm going to talk to you today about new developments in the R & D department.

Name five techniques Giorgione to create the illusion- dimensional a two-dimensional work of art. Size, Placement, detail, color, and line, are used to create the illusion of three dimensional space in a two dimensional work of art. How do the principles of art use the elements of art in creating artworks? How do you achieve a unified design? How can harmony be achieved in creating a work of art? A carefully determined blend of harmony and variety is essential to the success of almost any work of art. Both principles must be taken into account during the creative process. The difference is that etching has a fine needle to draw an image through a protecting coating. Then the plate is placed in acid, which bites-or etches- the lines of the metal. Jim Holt's essay collection *When Einstein Walked with Gödel* is a gleaming introduction to the mysteries of modern physics and mathematics. Holding your hand through discussions of artificial intelligence, string theory, theories of time, Holt's "Excursions to the Edge of Thought" are the journeys of a lifetime. "Science writing of the caliber on display in *When Einstein Walked with Gödel* is a boon in these times of looming scientific illiteracy. Holt makes his recondite subjects seem not only fascinating but fun." To calculate the overall star rating and percentage breakdown by star, we don't use a simple average. There seems to be a need in each to supply some humorous anecdote containing the topic at hand, then some historical context and then some recent contributor. At first glance it may look just like a decorative structure, but a closer examination reveals some amazing features. There is a great variety of characters to choose from ranging from leading roles to minor characters for any lyric soprano. It means that a lyric soprano will always have a place in opera. The most sought after lyric soprano at this time is the Russian singer Anna Netrebko, who's again the leading lady in house at the Metropolitan Opera.