Coming Next Issue

Anchored Figures at Either Margin

A figure in a box can be placed in text at one margin or the other, by measuring the box and adjusting the paragraph shape parameters so as to allow room for it. Macros that try to accomplish this automatically must be resourceful enough to decide what to do in a variety of special circumstances; the correctness or appropriateness of each decision depends on the requirements of the user. Daniel Comenetz presents his solution to the problems that arise in mathematics texts. [Delayed by technical difficulties.]

FIFO and LIFO sing the BLUes

Kees van der Laan presents an exposition on FIFO, First-In-First-Out, and LIFO, Last-In-First-Out, well-known techniques for handling sequences. In TeX macro writing these techniques are used abundantly but are often not easily recognized as such. TeX templates for FIFO and LIFO are given and their use illustrated. Their relation to several techniques presented by Knuth in *The TeXbook* is described.

A Multimedia Document System Based on TeX and DVI Documents

R. A. Vesilo and A. Dunn examine the development of a multimedia document system based on TeX. Multimedia document systems involve many complex components including editors, formatters, display systems and components to support the different media. By using TeX to do the formatting, using a standard text editor to enter the document text contents and define the document structure, and modifying a DVI previewer to include support for non-text contents, the amount of effort required to develop a multimedia document system is greatly reduced. [Delayed by technical difficulties.]

Using TeX to make Agendas and Calendars with Astronomical Events

Inspired by the agenda distributed at the Cork TeX meeting, Jordi Saludes has created macros that will produce calendars and agendas in several formats, allowing the user to include both 'fixed' and 'movable' events. Events of the latter type depend on astronomical phenomena related to the sun and moon, and include religious feast days and phases of the moon; all the necessary calculations are done by TeX based on traditional algorithms.

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