
*The Asian Journal of \TeX* is the publication of the Korean \TeX Society ([http://ktug.kr](http://ktug.kr)).

**AJT Volume 4, Number 1**

**DOHYUN KIM**, \XE\TeX\-ko: A X\TeX macro package for processing Korean documents; pp. 1–30

\XE\TeX\-ko is a macro package for typesetting Korean documents, including old Hangul texts as well, upon the X\TeX engine. X\TeX is a sophisticated \TeX engine which supports full Unicode encoding and OpenType layout features. Using X\TeX itself, however, is not fully satisfactory for Korean usage, especially because of the relatively poor quality of Latin/Greek/Cyrillic glyphs in many Korean fonts. For this reason and others, \XE\TeX\-ko has been recently developed, mainly focusing on how to typeset with different fonts between Western and Korean characters. This paper presents the current state of the \XE\TeX\-ko package along with its main features and usage, including among others how to configure Korean fonts, how to change character spacing, and what to be prepared for in typesetting old Hangul texts. At the end of the paper, some limitations of the current \XE\TeX\-ko package will also be discussed as a warning to the users. (Article in Korean.)

**JUHO LEE**, Fonts: A wing of \XE\TeX; pp. 31–68

(Article in Korean.)

**HOZE YI**, On technical writing of manuals; pp. 69–80

(Article in Korean.)

**AJT Volume 4, Number 2**

**IN-SUNG CHO**, Understanding and using coordinates in PSTricks with application to
The article examines the coordinate systems in PSTricks. Though the default is the Cartesian coordinate system, one can also use the polar coordinate system once the command `\SpecialCoor` is declared. The command `\SpecialCoor` allows greater variety of expression of the Cartesian and polar coordinates, such as PostScript language and predefined nodes. Understanding the features of the various expressions of coordinates can make a tedious graphing job interesting or challenging. The article provides some examples of plotting economics models: markets, monopoly, and Cournot duopoly. (Article in Korean.)


This paper describes a method for developing a Japanese TeX environment on a USB drive for Windows users. In order to sufficiently support the Japanese TeX environment, not only W32TeX, which contains uplTeX and TeXworks, but also Ghostscript, which can handle TrueType/OpenType CJK fonts, GSview, and the Perl execution environment are installed. (Article in English.)

**Masataka Kaneko and Setsuo Takato**, The extension of KETpic functions — Meta commands and their applications; pp. 111–120

Though KETpic has become the standard tool for editing high-quality mathematical documents, the use of graphics in KETpic tends to be unsatisfactory. Also it is desirable that the capability of generating tables and page layout in the preferred style be added to KETpic. The authors have developed KETpic, a computer algebra system (CAS)-based plug-in for high-quality graphics in KETpic documents. In this paper, we will show how newly developed functionality in KETpic can easily generate new environments or graphical commands of KETpic, so that KETpic can be endowed with additional capabilities. (Article in English.)

**Shin-ichi Todoroki and Tomoya Konishi**, BibTeX-based manuscript writing support system for researchers; pp. 121–128

A list of publications can help researchers with their writing if each item on the list includes links to their manuscript files stored in their personal computers. That way, they can quickly find their previous work, figures and photographs from the list and reduce their writing time by reusing them. We have developed a system providing such lists on a web browser by using Ruby scripts and BibTeX bib files. This system is designed to generate an author’s list of publications in various formats and to manage current manuscripts with the aim of providing an adequate return on the time spent keeping the database up to date. (Article in English.)

**AJT Volume 5, Number 1**

**Kangsoo Kim**, Typesetting a book with the oblivior class; pp. 1–59

(Article in Korean.)

**Hironori Kitagawa**, Development of the LuaTeX-ja package; pp. 65–79

LuaTeX-ja is a macro package for typesetting Japanese documents with LuaTeX. It enjoys the improved flexibility of LuaTeX in typesetting TeX documents, so eliminating some unwanted features of pTeX, the widely-used variant of TeX for the Japanese language. In this paper, we describe the specifications, the current status, and some internal processing methods of LuaTeX-ja. (Article in English.)

[Received from Jin-Hwan Cho.]