

MayaPS: Typing Maya Hieroglyphics with T_EX/L^AT_EX

Bruno Delprat and Stepan Orevkov

Abstract

We present a system for the hieroglyphical composition of ancient Maya texts, to be used for their palaeography, the production of dictionaries, epigraphical articles and textbooks. It is designed on the base of T_EX and PostScript using the Dvips interface, and includes a set of Maya fonts.

The ancient Maya's writing system is very particular: base writing signs attach each other from all four sides (left, right, top, bottom), being also rotated and rescaled and could not be produced with usual T_EX's tools. For example, we type:

```
\maya{li.AM2 u.TUN/CHU uj.UJ.ki death.KIMI/1a}
```

to obtain  (Dresden codex)

- ◇ Bruno Delprat
INALCO & SeDyL-CNRS, 7, rue
Guy Môquet
94801 Villejuif cedex
France
brunodelprat@club-internet.fr
<http://celia.cnrs.fr/Fr/Labo/Delprat.htm>
- ◇ Stepan Orevkov
Institut de mathématiques de
Toulouse, Université Paul
Sabatier
31062 Toulouse
France
orevkov@math.ups-tlse.fr
<http://www.math.univ-toulouse.fr/~orevkov/mayaps.html>