

The `babyloniannum` package

Raphaël Pinson
raphink@gmail.com

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1 Introduction

This package can be used to typeset Babylonian numerals using X_YTeX. It makes use of the Santakku Paleo-Babylonian font which can be downloaded at <http://www.hethport.uni-wuerzburg.de/cuneifont/>.

2 Usage

`\babylonianfont`

Set the font used. Currently, only the Santakku font has been tested. Let me know if you get the package to work with other fonts.

`\babyloniannum`

This is the main macro of this package. It takes a number between 1 and 59 as argument and typesets it with Babylonian numerals.

3 Implementation

```
1 \ProvidesPackage{babyloniannum}
2 \RequirePackage{fontspec}
3 \RequirePackage{xunicode}
4 \RequirePackage{numname}
```

`\babylonianfont`

```
5 \newcommand{\babylonianfont}{Santakku}
```

`\babyloniandisp`

```
6 \newcommand{\babyloniandisp}[1]{%
7   \fontspec{\babylonianfont}{\char"#1}}
```

`\babyloniannum`

```
8 \newcommand{\babyloniannum}[1]{%
9   \numdigits{#1}%
10  \ifcase\c@xsm@mctr
```

```

11 \or
12 \babyloniandisp{1230B} %10
13 \or
14 \babyloniandisp{1230B}\kern-1.5pt{}\babyloniandisp{1230B} %20 -- unknown?
15 \or
16 \babyloniandisp{1230D} %30
17 \or
18 \babyloniandisp{1240F} %40
19 \or
20 \babyloniandisp{12410} %40
21 \fi
22 \kern-4pt{}%
23 \ifcase\c@ism@mctr
24 \or
25 \babyloniandisp{12079} %1
26 \or
27 \babyloniandisp{1222B} %2
28 \or
29 \babyloniandisp{12408} %3
30 \or
31 \babyloniandisp{120FB} %4
32 \or
33 \babyloniandisp{1240A} %5
34 \or
35 \babyloniandisp{1240B} %6
36 \or
37 \babyloniandisp{1240C} %7
38 \or
39 \babyloniandisp{1240D} %8
40 \or
41 \babyloniandisp{1240E} %9
42 \fi
43 }

```