A Calligraphy Grid in ConTeXt/LMTX

This project is a generator of grids for medieval calligraphy in ConTeXt/LMTX and MetaPost.

Files included

```
.
├── doc
│   └── context
│       └── third
│           └── pauta
│               ├── env-pauta.tex
│               ├── pauta-example.pdf
│               ├── pauta-example.tex
│               ├── pauta.pdf
│               └── pauta.tex
├── tex
│   └── context
│       └── third
│           └── pauta
│               ├── t-pauta.mkxl
│               └── t-pauta.pdf
├── LICENSE
├── README.md
└── VERSION
```

Use

1. Clone this repository: `git clone https://github.com/conradolandia/pauta.git`, or download as zip.
2. If cloning:
    1. Copy the `doc` and `tex` folders to your ConTeXt tree and rebuild your database with `context --generate`. You can find more details about the process on the ConTeXt wiki. Alternatively, call context with the `--path` flag, and provide it with the path of this folder, i.e: `context --path=/home/user/pauta`. Alternatively still, simply place `t-pauta.mkxl` on the same directory as the file importing it.
3. Invoke the `\Pauta` macro as many times as you want pages. Each invocation can have a different configuration. Each invocation will create one single page.
4. The data about the hand[1] is autogenerated by the module and set into the header or footer, following the user configuration.
5. **Warning:** This module takes over the header and footer typesetting areas[2], and does not reset them properly yet. So if your document includes other content on those areas you will need to reset again to your liking by manually invoking `\setupheadertexts`/`\setupfootertexts`. This will be hopefully improved in the future.

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[1] This a way of saying the *font* in fancy calligraphic terms.

[2] Check out the layout article in the wiki for more information about ConTeXt typesetting areas.

Configuration Parameters

All parameters are optional. Defaults are as follows:

```
\Pauta[
  hand=, % Hand name. If not defined, will not show info on the left side of the header / footer
  handInfo=, % Some extra info for the hand. If not defined, will not show info on the right side of the header
/ footer
  infoPosition=footer, % Where to show the extra info (header | footer)
  infoLeft={\setup{pauta:content:leftmark}}, % If defined, will override autogenerated hand info on the left
side of the header / footer
  infoRight={\setup{pauta:content:rightmark}}, % If defined, will override autogenerated hand info on the right
side of the header / footer
  displayNibs=false, % Show nib-width marks (true | false)
  displayAngleMarks=false, % Display dotted guides for the nib angle (true | false)
  nibWidth=3mm, % Pen nib width (must include units, or it will default to big points)
  nibAngle=35, % Nib working angle in degrees
  ascenders=3, % Number of ascender lines (in nib widths)
  xHeight=4, % Number of x-height lines (in nib widths)
  descenders=3, % Number of descending lines (in nib widths)
  adjustment=0, % Sometimes it's necessary to adjust the height, because it can be longer than TextHeight. Still
not sure why it happens but it happpens... a value of 1 or 2 should solve it.
  mainColor={s=.4}, % Main color (lines that separate sections)
  secondaryColor={s=.6}, % Secondary color (lines separated by a nib width)
  tertiaryColor={s=.8}, % Tertiary color (nib width marks on the left margin and dotted angle lines)
]
```

Code Examples

Example 1: Basic Usage

```
\usemodule[pauta]

\startdocument
\Pauta[
  hand={Carolingian},
  handInfo={Tours school, VIII\high{th} century},
  infoPosition=header,
  displayNibs=true,
  displayAngleMarks=true,
  nibWidth=3mm,
  ascenders=2,
  xHeight=3,
  descenders=2,
  adjustment=0,
  mainColor={s=.6},
  secondaryColor={s=.8},
  tertiaryColor={s=.8},
]
\stopdocument
```

Example 2: Multiple Pauta Instances

```
\usemodule[pauta]

\startdocument
\Pauta[
 hand={Carolingian},
 handInfo={Tours school, VIII\high{th} century},
 infoPosition=header,
 displayNibs=true,
 displayAngleMarks=true,
 nibWidth=3mm,
 ascenders=2,
 xHeight=3,
 descenders=2,
 adjustment=0,
 mainColor={s=.5},
 secondaryColor={s=.6},
 tertiaryColor={s=.7},
]

% Overriding the header / footer info:

\Pauta[
  infoLeft={An exercise in Visigothic script},
 infoRight={from an Spanish manuscript, VII\high{th} century},
 infoPosition=footer,
 displayNibs=true,
 displayAngleMarks=false,
 nibWidth=2mm,
 ascenders=4,
 xHeight=3,
 descenders=4,
 adjustment=1,
 mainColor={s=.3},
 secondaryColor={s=.4},
 tertiaryColor={s=.5},
]
\stopdocument
```