The vgrid package

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1 Introduction

The vgrid package overlays a grid intended to help the author enforce vertical rhythm on each page. The spacing of the grid is taken from **\baselineskip**, with the first line at the top of the text area.

Note that vgrid itself does not change any spacing – other packages (or careful font settings) must be used to achieve vertical rhythm. This document, for example, can be clearly seen to not have vertical rhythm.

2 Usage

To add a grid to each page, just place \usepackage{vgrid} in your document's preamble. As of this version, there is no fine-grained control to allow grids to be excluded from certain pages. The grid will use \baselineskip as the line height.

3 Implementation

- 1 \RequirePackage{everypage}
- 2 \RequirePackage{tikz}
- 3 \RequirePackage{ifoddpage}
- 5 \newlength\vgrid@y
- 6 \AddEverypageHook{

For every page, we need to re-calculate the coordinates of the grid.

- $\label{lem:condition} \parbox{$7 \leq s$ (som for each of the conditions of the condi$
- 8 \def\@left{\hoffset+\@csm}
- 9 \def\@right{\@left+\textwidth}
- 10 \def\@top{-\voffset-\topmargin-\headheight-\headsep}
- 11 \def\@gridline{\draw [thin, gray]}
- 12 \begin{tikzpicture}[overlay]
- 13 \def\y{\@top-\vgrid@y}
- 14 \@gridline (\@left, \@top) -- (\@left, \@top-\textheight);
- 15 \@gridline (\@right, \@top) -- (\@right, \@top-\textheight);

16 \setlength\vgrid@y{0pt}
17 \@whiledim\vgrid@y<\textheight
18 \@gridline (\@left, \y) (\@right, \y);
le (egitaine (eieit, y) (eiight, y),
19 \addtolength{\vgrid@y}{\vgrid@l}
20 }
21 \@gridline (\@left, \y) (\@right, \y);
22 \end{tikzpicture}
23 }