The \texttt{graphpap} package*

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1994/08/09

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https://latex-project.org/bugs.html.

\texttt{\textbackslash graphpaper[(N)]((X,Y))((DX,DY))} makes a grid with left-hand corner at
\texttt{(\langle X,Y \rangle)}, extending \texttt{(\langle DX,DY \rangle)} units in the X and Y directions, where the lines
are \texttt{N} units apart. Every fifth line is thick and is numbered. The default value of
\texttt{N} is 10. The arguments must all be integers.

First, we define three counters. The first two are defined as raw \TeX{} counters
since multiplication and division must be performed in them.

\begin{verbatim}
1 (*package) 2 \newcount\@gridx% now (\@tempcnta) 3 \newcount\@gridy% now (\@tempcntb) 4 \newcounter{@grid} 5 \let\c@@grid\count@
\end{verbatim}

Next we define the following commands to draw vertical and horizontal grids. The
“nonum” commands just draw the grids; the other commands also print
numbers. All the arguments must be integers.

\textbf{VERTICAL GRIDS}

\begin{verbatim}
\texttt{\textbackslash vgrid(\langle x,y \rangle)(\langle xincrement \rangle)}
\texttt{\{\langle number-of-lines \rangle\}(\langle length-of-lines \rangle)}
\texttt{\textbackslash nonumvgrid(\langle x,y \rangle)(\langle xincrement \rangle)}
\texttt{\{\langle number-of-lines \rangle\}(\langle length-of-lines \rangle)}
\end{verbatim}

\textbf{HORIZONTAL GRIDS}

\begin{verbatim}
\texttt{\textbackslash hgrid(\langle x,y \rangle)(\langle yincrement \rangle)}
\texttt{\{\langle number-of-lines \rangle\}(\langle length-of-lines \rangle)}
\texttt{\textbackslash nonumhgrid same as \textbackslash hgrid but no numbers drawn}
\end{verbatim}

\begin{verbatim}
\texttt{\textbackslash def\textbackslash vgrid(#1,#2)#3#4#5(\%}
7 \setcounter{\grid}{#1}\% 8 \multiput(#1,#2)(#3,0){#4}{\line(0,1){#5}}\%
9 \multiput(#1,#2)(#3,0){#4}{\textbackslash vgridnumber(#3)}
10 \textbackslash def\textbackslash vgridnumber#1(\%}
11 \makebox(0,0)[t]{}\%
12 \shortstack{\textbackslash rule[Opt]{10pt}\\\textbackslash arabic{\textbackslash grid}}\%
13 \addtocounter{\grid}{#1}}
\end{verbatim}

--This file has version number v1.0c, last revised 1994/08/09.
\newcommand{\graphpaper}[1][10]{\leavevmode\@grid{#1}}
\@grid
\def\@grid#1(#2,#3)#4{%\thicklines\@vgrid(#2,#3){\@tempcntb}{\@tempcnta}{#5}\@tempcnta#5relax\divide\@tempcnta #1relax\advance\@tempcnta1relax\thinlines\@nonumvgrid(#2,#3){\@tempcnta}{#5}\@tempcnta#4relax\divide\@tempcnta5relax\divide\@tempcnta#1relax\advance\@tempcnta1relax\thicklines\@hgrid(#2,#3){\@tempcntb}{\@tempcnta}{#4}⟨\ignorepaces⟩}

Finally, \graphpaper is defined in a straightforward way in terms of the commands above.