The Pigpen Cipher for TeX 0.3

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February, 2024

1 The Pigpen cipher

The TeX Pigpen cipher font is a small hack to type the so-called masonic cipher, or Freemason’s cipher, which is a simple substitution cipher based on a grid. A 3x3 grid is filled with the letters A to I and J to R.

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
<th>C</th>
<th>J</th>
<th>K</th>
<th>L</th>
<th>S</th>
<th>T</th>
<th>U</th>
<th>V</th>
<th>W</th>
</tr>
</thead>
<tbody>
<tr>
<td>D</td>
<td>E</td>
<td>F</td>
<td>M</td>
<td>N</td>
<td>O</td>
<td>T</td>
<td>X</td>
<td>Y</td>
<td></td>
<td></td>
</tr>
<tr>
<td>G</td>
<td>H</td>
<td>I</td>
<td>P</td>
<td>Q</td>
<td>R</td>
<td>V</td>
<td></td>
<td></td>
<td></td>
<td>Z</td>
</tr>
</tbody>
</table>

The letters in this grid are simply replaced by the inner edges of their box within the grid. The subset of letters J to R is marked by a dot. The letters S, T, U and V are arranged in the four quadrants of an X, the letters W, X, Y and Z follow this arrangement but are marked with a dot. Again, the letters are substituted by the inner edges of their respective corner.

2 Usage

In the preamble of a \LaTeX document, the package is declared by saying \texttt{\usepackage{pigpen}}. Options are not available. There is only one user command, \texttt{\pigpenfont}:

\begin{verbatim}
\texttt{\pigpenfont LUCAS}
\end{verbatim}

\footnote{The TeX Pigpen cipher was inspired by a discussion on \texttt{comp.text.tex} in December 2008.}