# A Test for LAT $_{E} X$ PS/PDF Printing 

## Version 1.1 Build Code: 0004

See the testflow home page for the latest news and FAQ:
http://www.michaelshell.org/tex/testflow/

## Notes

Document paper type selected under $\mathrm{IT}_{\mathrm{E}} \mathrm{X}$ : a 4 paper
Depends only on the base article.cls - no other external packages are loaded.
The main text font is Times Roman, the math font is Computer Modern.
Imperial ( 0.1 in ) and metric ( mm ) rulers are provided to measure centering.
The frame on this page should be centered on the paper and lin $(25.4 \mathrm{~mm})$ from the edges.
To maintain accurate dimensions, do not scale page when printing.
(i.e., deselect any "fit to page" or "shrink/expand page" options.)

For complete usage information, read the testflow_doc.pdf file.

## Palladio Font Hinting Test

This is in bold Palatino/Palladio.

## Ligature Test

Ligatures - The office was affected by the five flawed mufflers.
No Ligatures - The office was affected by the five flawed mufflers.

## Math Tests

Large Delimiter and Operator Test

$$
I=\left[\begin{array}{ll}
1 & 0 \\
0 & 1
\end{array}\right] \quad \text { and } \quad\left(\sum_{i=0}^{2} 2^{i}=7\right)
$$

Minus Sign Test

$$
\text { If } a=4 \text {, then: } 2^{-a+7}-2^{a-3}=2^{3}-2^{1}=6
$$

# Problem Character, Times Roman and Font Kerning Tests 

Math italic glyphs: $\Gamma, \Psi, \Omega, \gamma, \psi$,
Large Times Roman italic: $\boldsymbol{Z} \quad$ GS kerning test: The "Problematic" little quotes.
Note: The math italic glyphs are in the control character positions $0,9,10,13,32$ and 127.
i.e., \Gamma, \Psi, \Omega, \gamma, \psi, and the $\backslash t\{x \mathrm{x}\}$ tie-after accent, respectively.

## Picture and Lasy Fonts Test



10pt bold: $\mho, \bowtie, \square, \diamond, \leadsto, \sqsubset, \sqsupset, \triangleleft, \unlhd, \triangleright, \unrhd$
$10 \mathrm{pt}: \mho, \bowtie, \square, \diamond, \leadsto, \sqsubset, \sqsupset, \triangleleft, \unlhd, \triangleright, \unrhd$
9pt: $\mho, \bowtie, \square, \diamond, \sim, \sqsubset, \sqsupset, \triangleleft, \unlhd, \triangleright, \unrhd$
8pt: $\mho, \bowtie, \square, \diamond, \leadsto,\llcorner, \sqsupset, \triangleleft, \unlhd, \triangleright, \unrhd$
7pt: $\mho, \bowtie, \square, \diamond, \sim,\llcorner, \sqsupset, \triangleleft, \unlhd, \downarrow, \unrhd$



# A Test for $\mathrm{IAT}_{\mathrm{E}} \mathrm{X}$ PS/PDF Printing 

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Duplex Alignment Test Side

