

```

90 \tracingmicrotype=2
91 \def\MT@info#1{\PackageInfo\MT@MT{#1}\MT@addto@annot{#1}}
92 \def\MT@info@n1#1{\PackageInfo\MT@MT{#1}@gobble}\MT@addto@annot{#1}}
93 \let\MT@vinfo\MT@info@n1
94 \def\MT@warning#1{\PackageWarning\MT@MT{#1}\MT@addto@annot{Warning: #1}}
95 \def\MT@warning@n1#1{\PackageWarning\MT@MT{#1}@gobble}\MT@addto@annot{Warning: #1}}
96 \def\MT@dinfo#1#2{\ifnum\tracingmicrotype<#1 \else\MT@info{#2}\fi}
97 \def\MT@dinfo@n1#1#2{\ifnum\tracingmicrotype<#1 \else\MT@info@n1{#2}\fi}

```

`\tracingmicrotypeinpdf` Another debug method: font switches can be marked in the PDF file with a small caret, an accompanying popup text box displaying all debug messages.

Cases for `\tracingmicrotypeinpdf`:

- 1: show new fonts
- 2: + show known fonts

```
98 \newcount\tracingmicrotypeinpdf
```

Let's see how it works . . .

```
\tracingmicrotypeinpdf=2
```

`\MT@pdf@annot` During font setup, we save the text for the popup in `\MT@pdf@annot`. (This requires `pdfTeX`  $\geq 1.30$ .) The `pdftexcmds` package provides `pdfTeX`'s utility commands in `\MT@addto@annot` and `\ifMT@inannot`. `LuaTeX`, too.

```

99 \RequirePackage{pdftexcmds}
100 \newif\ifMT@inannot \MT@inannottrue
101 \let\MT@pdf@annot\empty
102 \def\MT@addto@annot#1{\ifnum\tracingmicrotypeinpdf>\z@ \ifMT@inannot
103   {\def\MessageBreak{^^J@spaces}%
104   \MT@xadd\MT@pdf@annot{\pdf@escapestring{#1^^J}}}\fi\fi}

```

`\iftracingmicrotypeinpdfall` With `\tracingmicrotypeinpdfallfalse`, the PDF output is (hopefully) identical, but some font switches will not be displayed; otherwise the output is affected, but *all* font switches are visible. In the latter case, we also insert a small kern so that multiple font switches are discernable.

```
105 \newif\iftracingmicrotypeinpdfall
```

`\MT@show@pdfannot` A red caret is shown for fonts which are actually set up by *Microtype*, a green one marks fonts that we have already seen. The `/Caret` annotation requires a viewer for PDF version 1.5 (you could use `/Text` if you're using an older PDF viewer).

```

106 \def\MT@show@pdfannot#1{%
107   \ifnum\tracingmicrotypeinpdf<#1 \else
108     \iftracingmicrotypeinpdfall\leavevmode\fi
109     \pdfannot height 4pt width 4pt depth 2pt {%
110       /Subtype/Caret
111       /T(\expandafter\string\font@name)
112       \ifcase#1\or
113       /Subj(New font)/C[1 0 0]
114       \else
115       /Subj(Known font)/C[0 1 0]
116       \fi
117       /Contents(\MT@pdf@annot)
118     }%
119     \iftracingmicrotypeinpdfall\kern1pt \fi
120     \global\MT@inannotfalse
121   \fi
122 }
123 </debug>
124 </package>

```