

Testing low-level T<sub>E</sub>X font manipulations.

Stock plain fonts:

- Font “font(cmr10; “font):XXX; hyphen=45.
- Font “fiverm(cmr5; select font cmr5):XxX; hyphen=45.
- Font “tenrm(cmr10; select font cmr10):XXX; hyphen=45.

New 5pt fonts, new default **hyphenchar=99**. **All** shared; **scaled** mapped to **at**:

- Font “myrmfiveA(cmr10 at 5.0pt; select font cmr10 at 5.0pt):XxX; hyphen=99.
- Font “myrmfiveB(cmr10 at 5.0pt; select font cmr10 at 5.0pt):XxX; hyphen=99.
- Font “myrmfiveC(cmr10 at 5.0pt; select font cmr10 at 5.0pt):XxX; hyphen=99.

Bump **hyphenchar=100** on myrmfiveA:

- Font “myrmfiveA(cmr10 at 5.0pt; select font cmr10 at 5.0pt):XxX; hyphen=100.
- Font “myrmfiveB(cmr10 at 5.0pt; select font cmr10 at 5.0pt):XxX; hyphen=100.
- Font “myrmfiveC(cmr10 at 5.0pt; select font cmr10 at 5.0pt):XxX; hyphen=100.

Bump **hyphenchar=101** on myrmfiveA, *as if* grouped:

- Font “myrmfiveA(cmr10 at 5.0pt; select font cmr10 at 5.0pt):XxX; hyphen=101.
- Font “myrmfiveB(cmr10 at 5.0pt; select font cmr10 at 5.0pt):XxX; hyphen=101.
- Font “myrmfiveC(cmr10 at 5.0pt; select font cmr10 at 5.0pt):XxX; hyphen=101.

While stock fonts should be unchanged

- Font “fiverm(cmr5; select font cmr5):XxX; hyphen=45.
- Font “tenrm(cmr10; select font cmr10):XXX; hyphen=45.

“font is weird; it snapshots of the current font; but compare meanings:

- Font “font(cmr5; “font):XXX; hyphen=45.
- Font “fiverm(cmr5; select font cmr5):XxX; hyphen=45.
- Font “textfont2(cmsy10; “textfont2):X $\mathcal{X}$ ; hyphen=45.

Testing plain math fonts:

“noop: abc123 and *abc123*

“rm: abc123 and abc123

“mit: abc123 and *abc123*

“cal: abc123 and  $\neg[\_] \infty \in \ni$

“it: *abc123* and *abc123*

“sl: *abc123* and *abc123*

“bf: **abc123** and **abc123**

“tt: **abc123** and **abc123**

Testing Text glyph lookup.

Normal:  $\imath$ ;A.  $\zeta$ ;A. **1**;A.  $\mathbf{1}$ ;A.  $\imath$ ;A.  $\imath$ ;A.

Symbol:  $\asymp$ ;A.  $\asymp$ ;A.  $\left( \right)$ .

AMS:  $\rightarrow$ ;A.  $\rightarrow$ ;A.  $\mathbb{A}$ .