

DW: An addendum: is there something you would like to show from your recent packages or recent additions to your packages? In addition, could you give us some idea of any new packages you are thinking about?

MS: (The previous paragraph used Cochineal, similar to Minion Pro. This paragraph uses XCharter.) I think the newish changes to XCharter are notable: (a) the addition of Cyrillic alphabets, including small caps, in T2A encoding; (b) the addition of Serbian Cyrillic italic glyphs. These can be used with pdf_latex as well as xelatex and lualatex. To my knowledge, this is currently the only package which offers correct rendering of Serbian Cyrillic italic under pdf_latex. You can see from this paragraph set in XCharter that it needs to be scaled down a bit, and has a substantially larger x-height than Computer Modern and Times.

The font in this paragraph is AlgolRevived, designed for typesetting coding, but marginally suitable for brief sections of text. (Unlike most coding fonts, it is not monospaced, though its figures are. Don't use this for Fortran.)

(Back to Cochineal.) Here's a sample of some mathematical text using sans math available in the `libertinust1math` package with preamble

```
\usepackage{libertine}
\usepackage[sansmath]{libertinust1math}
```

The text font in this paragraph is Libertine and math is sans serif (derived from STIX math sans) with symbols from `libertinust1math`.

$$\tilde{f}(\alpha) := \frac{1}{\sqrt{2\pi}} \int_0^t e^{-\alpha x} f(x) dx$$

My plans for the immediate future are to complete my reworking of `newtxmath` and `newpxmath` to a form where it is not hard to provide options that will allow the user to select from a list of alphabets for calligraphic, script, double-struck and fraktur alphabets without needing additional math groups. I would hope to do the same with `libertinust1math`. With the latter package, I'm not fond of the existing very small math binary relation symbols, and would try to add alternatives more like those in CM and Times.

With text fonts that have a much larger x-height than Times and CM, such as XCharter, Utopia, PTSerif, Erewhon and Century Schoolbook, a matching math font should be heavier and of larger x-height than Times math, and as far as I know, the Fourier package, which works currently only with Utopia and Century Schoolbook, is the only free choice. Given the time, I would like to work to extend Fourier math to have the same interchangeable features as `newtxmath`.