

Writing with Unicode

Recently I adjusted my environment to use utf8 encoding. One of the motivation for this was to use Unicode math symbols while writing text files. I am using vim/gvim as editor and for a moment the solution for me to enter Unicode characters are abbreviations in insert mode (the tag are set to minimize the risk of collision with ordinary words or variable/function names).

Here is snippet of my `.vimrc`

```
" ABBREVIATIONS
"
iab yRn    <C-V>u211D<C-V>u207F
iab yR1    <C-V>u211D<C-V>u00B9
iab yR3    <C-V>u211D<C-V>u00B3
iab yR2    <C-V>u211D<C-V>u00B2
iab ySub   <C-V>u2282
iab yIn    <C-V>u2208
iab yFun   <C-V>u2192
```

Whit these abbreviations the stream of characters:

`f: X yFun Y, where X ySub yR1 and Y ySub yR2`

is automatically expanded into:

`f: X → Y, where X ⊂ ℝ1 and Y ⊂ ℝ2`

Links

- <http://symbolcodes.tlt.psu.edu/bylanguage/mathchart.html#calc>
- http://en.wikipedia.org/wiki/Template:Unicode_chart_Arrows

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