

**NAME**

`mag` – computes TeX fontsizes and magsteps

**SYNOPSIS**

`mag [-Rdpi] magstep . . .`

`mag [-r] [-Rdpi] fontsize . . .`

**DESCRIPTION**

delim \$\$ This tool calculates fontsizes given magsteps. TeXfonts are provided as true sized fonts or as magnifications. The fontsize of a true sized font equals the resolution of the printer (ex. 300). The fontsize of a font magnified  $n$  times equals:  $1.2^n$  times 300 delimited off rounded to its nearest integer value. Fontnames for TeX fonts normally consists of the name (*cmr*), pointsize (*10*), type (*pk*) and fontsize (*360*), for example: *cmr10.360pk*.

**EXAMPLES**

The result of `mag -R240 -2 0 0.5 1` will be:

```
167 240 263 288
```

The inverse function is computed with the `-r` option. The result of `mag -r -R240 167 240 263 288` will be the fontsteps:

```
-2 0 0.5 1
```

The UNIX shells allow command substitution. One can write:

```
mag -r -R240 `mag -R240 -2 0 0.5 1`
```

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Maintained in TeX Live; please send bug reports or other correspondence to [tex-k@tug.org](mailto:tex-k@tug.org) (<http://lists.tug.org/tex-k>).