

Example **fancynum** output

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This file contains some of examples of the use of the package. Table 1 shows some examples of the setting of a number (π) for different *printf* format strings. The table was generated entirely automatically by the C program `tables.c` include in the distribution. The group symbol used is the thinspace.

Format	Output	Typeset
<code>%f</code>	3.141593	3·141 593
<code>%e</code>	3.141593e+00	3·141 593×10 ⁰
<code>%g</code>	3.14159	3·141 59
<code>%.9f</code>	3.141592654	3·141 592 654
<code>%.9e</code>	3.141592654e+00	3·141 592 654×10 ⁰
<code>%.9g</code>	3.14159265	3·141 592 65

Table 1: Double conversions for π

The figures in Table 2 are also set by the package. This table shows some values of the factorial squared, and is included to give an example of a real table with integers of widely varying magnitude. The group symbol used here is the comma.

n	$(n!)^2$
1	1
2	4
3	36
4	576
5	14,400
6	518,400
7	25,401,600
8	1,625,702,400
9	131,681,894,400

Table 2: Some values of $(n!)^2$

An earlier version of the package had a bug which mis-set the examples `3.14e1` ($3\cdot14\times10^1$), `3.14e-1` ($3\cdot14\times10^{-1}$) and `3.14e000001` ($3\cdot14\times10^1$), but these problems are now fixed.