

Cal Poly Department of Mathematics

Puzzle of the Week

Feb 27 - Mar 5, 2014

What is the units digit (i.e. rightmost digit) of the number

$$\left\lfloor \frac{10^{4028000}}{10^{2014} - 7} \right\rfloor$$

(here $\lfloor x \rfloor$ is the greatest integer $\leq x$)?

Solutions should be submitted to Morgan Sherman:

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before next Thursday. Those with correct and complete solutions will have their names listed on the puzzle's web site (see below) as well as in next week's email announcement. Anybody is welcome to make a submission.

<http://www.calpoly.edu/~sherman1/puzzleoftheweek>