

Cal Poly Department of Mathematics

Puzzle of the Week

October 24-30, 2013

Find all the prime numbers that are in the infinite sequence:

1, 10001, 100010001, 1000100010001, ...

or prove that there are none.

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>