

Cal Poly Department of Mathematics

Puzzle of the Week

Nov 8 - 14, 2012

Suppose a_1, a_2, a_3, \dots are positive numbers such that $\sum_{n=1}^{\infty} a_n = 5$. What are all possible values of $\sum_{n=1}^{\infty} a_n^2$?

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>