

Cal Poly Department of Mathematics

Puzzle of the Week

Feb 21 - 27, 2013

Let a, b be real numbers in $(0, 1)$, each independently chosen at random. Compute the probability that the nearest integer to $\frac{a}{b}$ is odd. [Hint: the answer is *not* $\frac{1}{2}$.]

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>