

Cal Poly Department of Mathematics

Puzzle of the Week

Jan 23 - 29, 2009

An infinite chess board has squares of side length 1. A coin with radius $r < \frac{1}{2}$ is flipped onto the board. What is the probability (in terms of r) the coin intersects an edge?

Solutions should be submitted to Morgan Sherman:

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before next Friday. Those with correct and complete solutions will have their names listed in next week's email announcement. Anybody is welcome to make a submission.