

Cal Poly Department of Mathematics

Puzzle of the Week

October 9 - 15, 2009

A dart is thrown randomly and hits a square dart board. What is the probability that it lands closer to the center than to any edge?

Note/Hint: The answer can be simplified into the form $\frac{a\sqrt{b+c}}{d}$ where a, b, c, d are integers.

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.