

# 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.*