

# Cal Poly Department of Mathematics

## Puzzle of the Week

November 13 - 19, 2009

Basketball star Wane Dwyade makes one of his first two free-throw attempts of his career. Thereafter the probability that he hits the next is equal to the proportion of free throws he has made so far. What is the probability that he hits exactly 50 of his first 100 attempts? How about exactly 1005 of his first 2009?

*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.*