

## Problem of the month September 2010

We are pleased to inform that Michael Watkins wrote the best\* solution for the March 2010 Problem of the Month. He has won the right to brag, and be correct in any mathematical discussion\*\* that is held in September 2010. Congratulations Michael!

We thank to all those who wrote solutions to May's problem. We encourage you to keep submitting your solutions.

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You will have until **September 30<sup>th</sup>** to solve the problem below. Solutions can be either

1. written neatly on a sheet of paper and dropped in the mailbox outside PB 352, or
2. typed up using your favorite text editing software (L<sup>A</sup>T<sub>E</sub>X preferred) and then turned in via email at either asabuwalla@csufresno.edu or ovega@csufresno.edu.

At the end of the month, we will review all your solutions and post the names of the individuals who have turned in complete correct solutions, and who wrote the best\* solution.

Bragging rights winners, solutions, past (and future) problems of the month, etc can be found on

*[http : //csufresno.edu/math/news\\_and\\_events/pom.shtml](http://csufresno.edu/math/news_and_events/pom.shtml)*

### Problem for September 2010.

Five quarters and five pennies are on the floor, they do not overlap and no three of the 10 coins are on a line. Is it always possible to draw five segments, each one of them starting at a different quarter and ending at different penny so that the segments do NOT intersect?

\* A solution will be considered better than other in terms of being correct, thoroughness of the explanation, beauty of the idea used, etc.

\*\* Exams, quizzes, homework not included. Not valid where voided and with non-participating professors.