

Cal Poly Department of Mathematics

Puzzle of the Week

Jan 17 - 23, 2013

From Kent Morrison:

I would like to cook in a (circular) pan of radius r three slices of french toast, each a square of side length s . What is the smallest value of r for which I can put all three slices in at once, with no overlap? [You may assume the squares are all parallel to each other, i.e. all oriented at the same angle.]

Solutions should be submitted to Morgan Sherman:

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before next Thursday. Those with correct and complete solutions will have their names listed on the puzzle's web site (see below) as well as in next week's email announcement. Anybody is welcome to make a submission.

<http://www.calpoly.edu/~sherman1/puzzleoftheweek>