

Cal Poly Department of Mathematics

Puzzle of the Week

Nov 5 - 11, 2010

A right circular cone with base radius 1 and height 5 has a cube inscribed in it, with one face of the cube contained in the base of the cone. Find the side length of the cube.

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 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>