

# Cal Poly Department of Mathematics

## Puzzle of the Week

October 17-23, 2013

The other day I walked by the math department chair's office and naively asked "Joe, what time is it?". Professor Borzellino looked at the clock on his wall and replied:

"It is  $\frac{\pi}{\operatorname{arccsc}(2\varphi)}$  o'clock".

What time was it?

Note:  $\varphi = \frac{1+\sqrt{5}}{2}$  is the *golden ratio*. Also most computer algebra systems will instantly give the answer (as will simply walking into Joe's office); for a complete solution you must show how to calculate this by hand.

*Solutions should be submitted to Morgan Sherman:*

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Office: bldg 25 room 310*

*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>