

# Cal Poly Department of Mathematics

## Puzzle of the Week

Apr 3 - 9, 2009

Recall the parabola  $y = x^2$  has focus at  $(0, 1/4)$ . If we roll the parabola (without slipping) along the  $x$ -axis what is the locus of points traced out by the focus?

*Solutions should be submitted to Morgan Sherman:*

*Dept. of Mathematics, Cal Poly  
Email: sherman1 -AT- calpoly.edu  
Office: bldg 25 room 310*

*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.*