

# Cal Poly Department of Mathematics

## Puzzle of the Week

May 13-19, 2011

What is the largest integer such that each of its interior digits (non-leading digit and non-unit digit) is less than the average of its neighbors?

*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 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>