

Cal Poly Department of Mathematics

Puzzle of the Week

September 25 - October 1, 2009

Write the number 100 as a sum of positive integers by using each of the digits zero through nine *exactly* once... or prove that it cannot be done.

Note: an example of such a sum (not totaling 100) would be

$$32 + 9 + 76 + 10 + 4 + 8 + 5 = 144$$

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.