

# Cal Poly Department of Mathematics

## Puzzle of the Week

Feb 4-10, 2011

Relayed to me by Scott Johnston (Geology)

What comes on the next line of the list:

0  
10  
1110  
3110  
132110  
1113122110  
?

*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>

*Solution:* The next line reads 311311222110. To see why, look at the previous line and read: "Three 1s, one 3, one 1, two 2s, two 1s, and one 0".