

# Cal Poly Department of Mathematics

## Puzzle of the Week

October 2 - 8, 2009

Show that for  $n \geq 6$  any square can be partitioned into  $n$  sub-squares (not necessarily all of the same size).

*Solutions should be submitted to Morgan Sherman:*

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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.*