

1052-05-67

Gary Gordon* (gordong@lafayette.edu), Math Dept, Lafayette College, Easton, PA 18042,
and **Elizabeth McMahon**. *Counting facet derangements of hypercubes.*

We present some simple formulas and recursions for the number of derangements of the $(n-1)$ -dimensional facets of a hypercube. We also consider the parity of these derangements, and compare with known results concerning the parity of (ordinary) derangements. (Received August 18, 2009)