

1077-AD-1478 **Bridget Eileen Tenner*** (bridget@math.depaul.edu), Department of Mathematical Sciences,
DePaul University, Chicago, IL 60614. *Descriptive derangements for a sum of spheres.*

A bijective correspondence can reveal a wealth of information about a set, beyond just its cardinality. In addition to explaining why the set has a particular size, it often illuminates many other aspects of the set itself. As an example, we examine a bijection between derangements of a set and spheres in the wedge sum describing the homotopy type of a complex, obtained by Ragnarsson and Tenner. (Received September 19, 2011)