

1050-52-8

David Richter* (david.richter@wmich.edu), Department of Mathematics, MS 5248, Western Michigan University, Kalamazoo, MI 49008-5248. *Theory and examples of ghost symmetry.*

Ghost symmetry describes a circumstance when a finite configuration of points in a vector space lacks certain symmetries but displays them upon projection to various subspaces. In many instances, one may recover the entire symmetry group of a configuration using only ghost symmetries of a proper projection of the configuration. (Received December 01, 2008)