

1124-13-223

**Kyle S. Trainor\*** ([kyle\\_trainor@knights.ucf.edu](mailto:kyle_trainor@knights.ucf.edu)), Department of Mathematics, University of Central Florida, 4393 Andromeda Loop N, Orlando, FL 32816. *The Italian identities for Hilbert series of hypergraphs*. Preliminary report.

We provide an algebraic proof of an identity for Hilbert series of hypergraphs derived from identities of Borzacchini and Pulito for subgraph enumerating polynomials. (Received September 09, 2016)