

1046-Q1-1627      **sarah-marie belcastro\*** ([smbelcas@toroidalsnark.net](mailto:smbelcas@toroidalsnark.net)). *Laban's Choreutics and Polyhedra*.

Rudolf Laban's *The Language of Movement: A Guidebook to Choreutics* (posthumously published in 1966) contains mathematical images and textual references, and in particular there are many diagrams depicting annotated polyhedra. Analyses of the mathematics in Laban's work are few and have only been done from a dance perspective rather than from a mathematical perspective. We will begin this talk with a review of the references to mathematics in *The Language of Movement* and the existing scholarship thereon. We will then focus on Laban's use of polyhedral diagrams: What dance ideas did he convey through these diagrams? Did he use mathematical properties of polyhedra in his work, or only their aesthetic qualities? What (well known) mathematics is implicitly present but not explicitly stated in his text and diagrams? (Received September 16, 2008)