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Jason Parsley*, Department of Mathematics, Winston-Salem, NC , and **Christina Tsoules Soriano**. *Understanding geometry in the dance studio*.

We, a dance professor and a math professor, brought together each of our introductory classes to study geometric objects (Platonic solids and ellipses) through human forms. Come see how they realized a dual octahedron lying inside a cube. We investigate how this physical learning environment molded our students' spatial reasoning and analyze the effects of this cross-disciplinary pedagogical exercise. (Received September 14, 2010)