962-L1-472 **Mike Pinter*** (pinterm@mail.belmont.edu), Department of Mathematic and Comp. Science, Belmont University, Nashville, TN 37212. *A manipulative for demonstrating graphs dynamically and statically.*

Visual aids and manipulatives are well-known to be helpful in many mathematical learning situations. I will demonstrate how I use as a teaching visual aid a toy that has a strong wire center with brightly colored (thick) foam wrapped around it. For example, I use the toy to demonstrate: the various shapes that polynomial graphs can have as the degree increases and generalizations about the possible shapes for polynomial graphs; angles, both static angles (where you want the angle basically fixed in place) and dynamic angles (when discussing the idea of moving around the unit circle); the notions of graph shifting and other graph transformations; three-dimensional graphs in calculus; and some polar graph shapes. The demonstration requires no technology and is self-contained. I have successfully used the toy as a manipulative in many classes, including college algebra, trigonometry, and all levels of calculus. (Received September 14, 2000)