1035-Z1-268   **Jeffrey M. Groah*** (`jeffrey.m.groah@nhmccd.edu`), Mathematics Department, Montgomery College, 3200 College Park Drive, Conroe, TX 77384. *To Infinity and Beyond.*

Johannes Kepler claimed that a parabola is a hyperbola with one focus at infinity. Here, an animation is given showing how Kepler's statement is literally true using the one point compactification of the plane and stereographic projection. This animation is useful for courses ranging from high school analytic geometry to undergraduate topology and complex analysis. It has been used as an avenue to discuss philosophical issues pertaining to infinity and math foundations. Students report that the animation was helpful in visualizing the concepts. The animation is available on the National Curve Bank at curvebank.calstatela.edu/groah76/groah76.htm (Received August 27, 2007)