1067-51-976   **Daniel S Joseph*** (`josephds@vmi.edu`), 428 Mallory Hall, Virginia Military Institute, Lexington, 24450, and **Gregory N Hartman**. *An Introduction to Generalized Parabolas II.*

A generalized parabola is the locus of points equidistant from a given point (the focus) and a (not necessarily affine) directrix. Given an arbitrary curve, can we find a focus–directrix pair that generates it? In this talk we examine this question and the answer leads to some beautiful and fascinating curves. (Received September 17, 2010)