1003-F1-859   **Michael E. Mays*** (`mays@math.wvu.edu`), Math Department WVU, Armstrong Hall, Morgantown, WV 26505-6310. *A Mathematical Java Toolkit Gallery.*

A demonstration of several java applets written using the Mathematical Java Toolkit developed by Joe Yanik, including a model of blood splatter, complex roots of quadratic equations, an algebra problem analysis with a diophantine option, and a drawing pad for conic sections using alternative metrics. (Received September 30, 2004)