Thomas E. Leathrum* (leathrum@jsucc.jsu.edu), Dept. of Math, Computing, and Info. Sciences, Jacksonville State Univ., 700 Pelham Road North, Jacksonville, AL 36265. A Brief Tour of Mathlets: Web Applets for Calculus Visualizations. The applets here collectively refered to as Mathlets are Java™-based applets (viewable on any standard Java™-enabled Web browser) which provide small, focused explorations of particular concepts in calculus. These explorations are neither turnkey presentations (which allow relatively little room for manipulation and experimentation by students) nor omnibus mathematics systems (such as the large computer algebra systems now available). In fact, the Mathlets make no attempt to check users’ input for calculus mistakes. They simply take the users’ input (in the form of simple text expressions for functions) and use it to generate a corresponding graph, correct or not. This allows students to see not only the visual aspects of correct calculus computations, but also why incorrect input is incorrect. Also included in Mathlets are more general graphing applets, including applets for generating and manipulating 3-dimensional graphs. The complete Mathlets software package can be viewed and used on the Web at the following address: http://cs.jsu.edu/mcis/faculty/leathrum/Mathlets (Received September 04, 2000)