1046-O1-1377   **Elisha Peterson*** (`triathematician@gmail.com`). *Java Mathlets with Blaise.* Preliminary
report.

This talk will feature several Java mathlets created using Blaise, a collection of utilities developed by the author for visualizing and exploring mathematics. The applets featured include (i) a generic function plotter with interactive parameter sliders, (ii) a dynamically-adjustable iterated curve generator, and (iii) an applet highlighting the role of the gradient vector in pursuit and evasion algorithms. In each case, Blaise automatically handles interactivity and animation. The process of constructing these mathlets using Netbeans may also be discussed. (Received September 16, 2008)