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Michael E. Gage* (gage@math.rochester.edu), Department of Mathematics, University of Rochester, Rochester, NY 14627. *Embedding applets into WeBWorK questions*. Preliminary report.

Embedding applets into WeBWorK on-line homework questions can improve their educational effectiveness since students interact with them in a more focused way. Applets can also extend the presentation and input capabilities of WeBWorK. I'll describe the current capabilities of the WeBWorK applet API which facilitates embedding flash, java and Geogebra applets into WeBWorK questions so that they operate reliably across platforms and browsers. (Received September 13, 2009)