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**Horwitz, P.; Eisenberg, M.**

**MultiMap: an interactive tool for mathematical experimentation.**

Interact. Learn. Environ. 2, No. 3-4, 141-179 (1992).

This article describes a computer program, 'MultiMap', designed to introduce experimentation and exploration in the precollege mathematics curriculum. The central activity in MultiMap involves the creation of planar maps which may be applied interactively to graphical objects. The maps may be affine or nonlinear; and (among other activities) they can easily be edited, composed, or applied iteratively. The authors outline MultiMap's interface and basic functionality, describe a wide variety of exploratory mathematical activities that can be undertaken with the program, and present some observations on the use of MultiMap in the classroom. (orig.)

*Classification:* G74

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