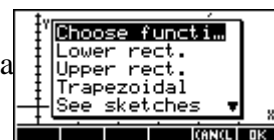


Example Downloaded Aplets from the Internet

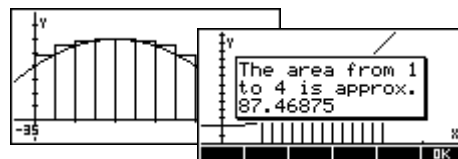
The most powerful feature of the hp 39gs & hp 40gs is that you can download applets and programs from the internet to help you to learn and to do mathematics. Some quick examples of applets that are available are shown here. More are listed in the paper "Teaching Calculus using the hp 39gs & hp 40gs" which can be found in the Help screen of www.hphomeview.com. In each case the applet is controlled by a menu. This menu is created by the programmer and 'attached' to the VIEWS button so that it displays in place of the normal menu.

Curve Areas

This applet allows the user to find approximations to the area under a curve by finding either the lower rectangular area, the upper rectangular area, or the trapezoidal area.

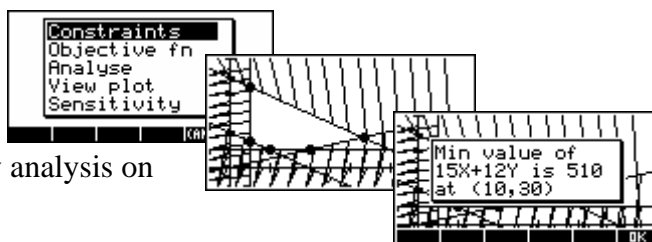


The user can choose the end points of the interval, the type of calculation and the number of rectangles to be used. The rectangles are drawn on the screen. A worksheet introduces the idea of integration to find areas.



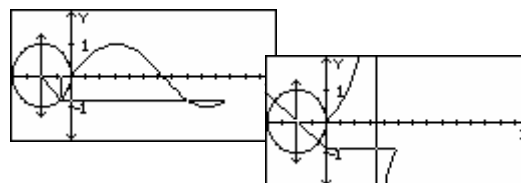
Linear Programming

This applet visually solves linear programming problems, finding the vertices of the feasible region and the max/min of an objective function. It even performs sensitivity analysis on the collected vertices.



Sine Define

This is an applet to illustrate the process of obtaining the sine, cosine & tangent graphs from the unit circle.



Periodic Table

This is a library that can be added to the calculator which allows the user to display a periodic table with information on each element.

H		H14.9591
Li	BCNOF13	
Na	ASPCSA	
K	GVVCFDCZ	GGASER
Rb	ZONTRAPAC	ISSTIA
Cs	HTWKOEPAH	TPBPAS
Fr	ROSEHM	REHAGONAL
Sc	LCPDFSEGTDEHML	WEAK BASE
Zn	ATFUFACBCEFMAL	CRJ301-452
Zl	SCANDIUM	