

i41CX+

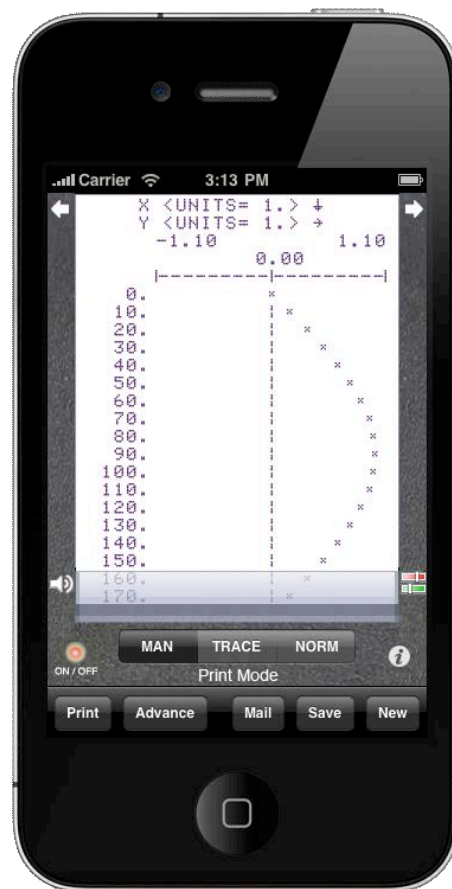
The Premier Scientific/Engineering Calculator for the iPhone and iPod touch



i41CX+ is an advanced programmable and expandable RPN scientific calculator with a virtual thermal printer/plotter that goes far beyond a mere replica of the original. In addition to being functionally equivalent to the world-renowned HP-41CX and providing access to its entire library of modules and programs, i41CX+ is enhanced with a workstation-class Computer Algebra System (CAS), iPhone OS and hardware integration features, keyboard overlays, complete color control, rich set of import and export capabilities, traditional and upbeat modern skins, and much more. This is the finest and most powerful scientific/engineering/financial/business calculator for the iPhone and iPod touch bar none.



Calculator Front Screen
(La Pomme Mies Skin Shown)



Printer Screen

i41CX+ is one of the most sophisticated and highly developed applications for Apple's iPhone/iPod touch platform. It is an implementation of the universal Scientific Calculator with a programmable capability that made the "41", in reality, a powerful handheld programmable computer. It was astounding for what could be computed and a large body of work was assembled by the HPPC "personal/portable computer" club under the encouragement and nurturing of Richard Nelson of the Educalc Computer store in California.

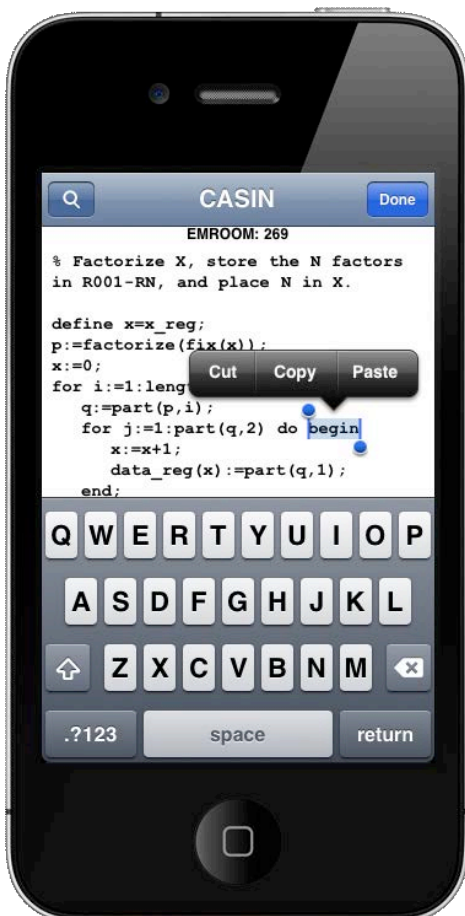
i41CX+ elevates the iPhone/iPod Touch into a serious computation machine capable of performing a virtually unlimited number of calculation tasks. Imagine going to school and generating programs of each and every formula that you were instructed in as you travel through the courses. They will always be available to you in the future with a simple download.



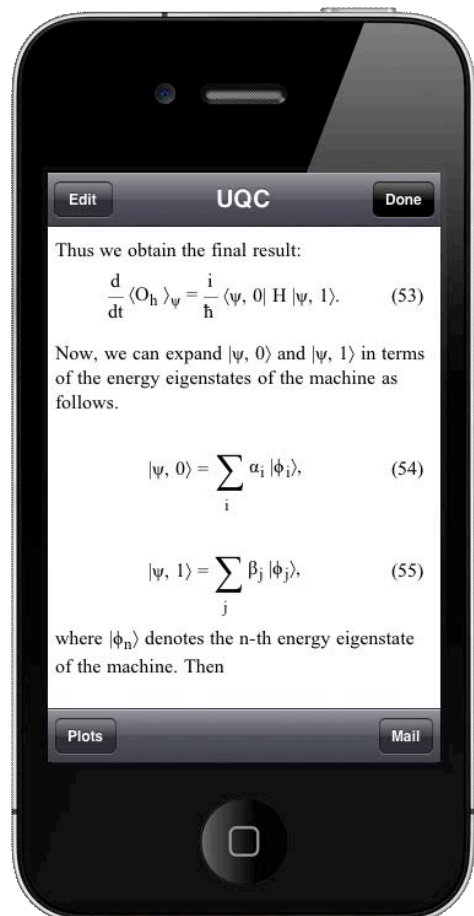
Keyboard Overlay Picker



Calculator Back Screen



I41CXED Text Editor



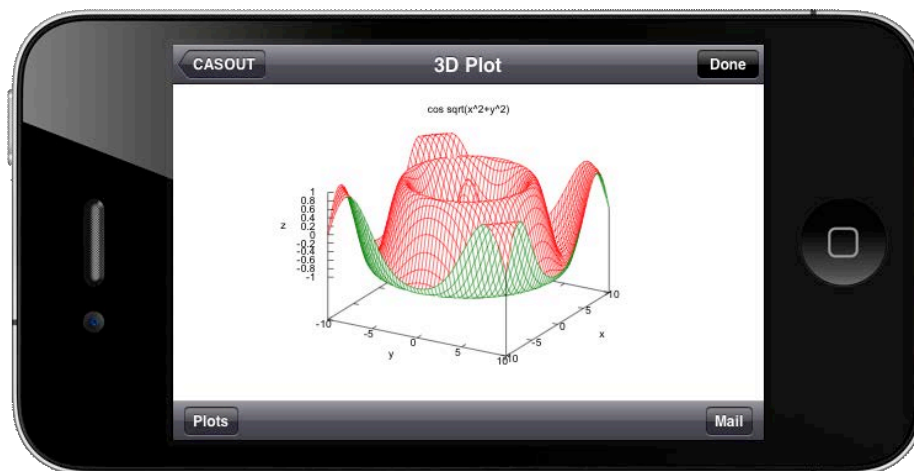
LaTeX Viewer Screen

Calculator Features

- RPN logic with a 4 element deep memory stack
- 319 main and 600 extended memory registers
- Over 400 built-in functions, including over 100 functions created specifically for i41CX+
- Time, calendar, alarm, and stopwatch functions
- Four module ports provide access to HP-41 expansion packs
- Rich set of functions and algorithms: numerical, mathematical, statistical, complex, matrix, numerical integration, curve fitting, solutions to equations, and much more
- Powerful, flexible, and programmable Computer Algebra System (CAS) supporting symbolic, arbitrary precision, scalar, vector and matrix algebra calculations, 2D and 3D plotting, and much more
- Full-screen text editor with configurable font style, font size, and color scheme, a user configurable macro keyboard, and a numerical keyboard. The text editor also provides the ability to view, delete, and mail CAS plots and render LaTeX documents.
- Access to the entire HP-41 library of solutions for science, mathematics, statistics, engineering, business, financial, surveying, medicine, real estate, and many other domains
- Programmable - virtually unlimited number of lines
- User definable keyboard
- Device integration: external display mirroring, copy and paste, in-app mail, iPhone keyboard, GPS, accelerometer, digital compass, time and date synchronization, and much more
- Virtually unlimited storage capacity using the iPhone's flash memory for local storage
- Import/export data, programs, overlays, modules, etc. via the web, email, and iTunes File Sharing
- 40 bundled keyboard overlays and support for user created overlays
- Dynamic keyboard overlay switching
- Sound support including synthetic tones and interface sounds
- Support for calculator skins and optional mini stack display
- Adjustable calculator speed, sound volume, and display colors
- Searchable Usage & examples and quick reference guide tables of all built-in HP-41 and CAS functions
- Beautiful and clean user interface optimized for the iPhone and iPod touch portrait mode screen aspect ratio and to maximize the keypad area while still providing for a full featured scientific keypad

Printer Features

- Support for printing, plotting, graphics, and special characters
- User configurable and programmable print color
- Support for emailing printer output in text format
- Ability to save a JPEG snapshot of the virtual paper roll to the iPhone's photo album where they can then be emailed or transferred to the computer and printed out on a real printer



For a more detailed description of i41CX+, please see the Mini-Manual at [AL Software's i41CX+ Product Page](#).