

Triangulus.

By HPMOYACK.

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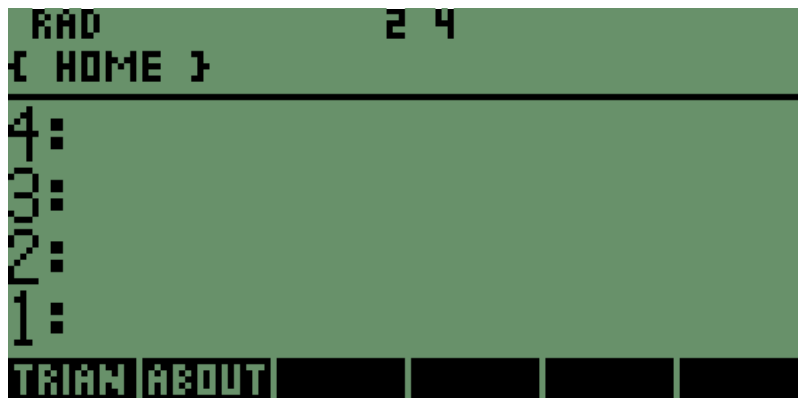
This program solves triangles quickly. Very useful in basic math, engineering situations and more. I hope this program would help in your everyday work.

Installation.

Copy this Library in your HP48 (TriangulusEN.lib), you will see this:



Now store the library in port 0. Press  and then . Turn off your calculator and restart it; the library will have been installed. Now press  and , and you will see the libraries installed in your HP48. Select the icon  and you will see two commands, [TRIAN] and [ABOUT], as you can see in the next picture.







If you want access to these commands, you can write TRIANGULUS and ABOUT.T respectively. Let's see the commands.

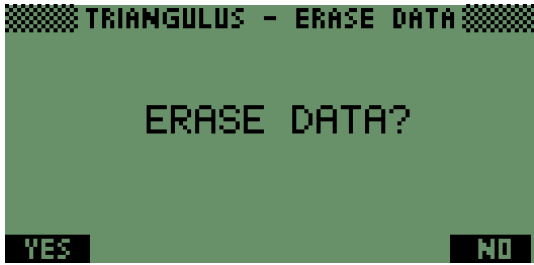

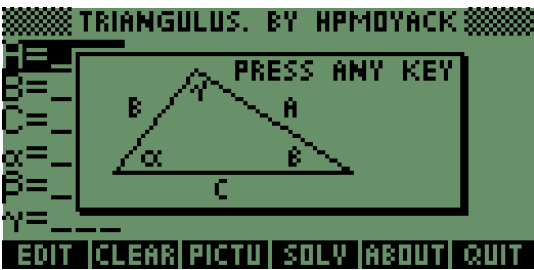
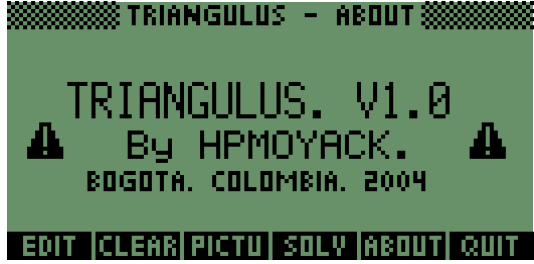
Triangulus GUI.

TRIANGULUS command opens the input interface, as you can see in the next Picture:



Now let's see what can do each button.

<div data-bbox="261 1560 375 1612" data-label="Section-Header"> <h3>EDIT</h3> </div>	<p>This button permits to add or edit the selected value. First select the variable pressing the up  and/or down  keys, then press  or , it opens an input box where you can add or modify the value.</p>
	<p>This program checks if the values entered are logical, for example, if you assign this values [$A = 10$; $B = 20$; $C = 50$] or [$\alpha = 10$; $\beta = 40$; $\gamma = 50$] the program will show a warning “Illogical dimensions”.</p>

<p>CLEAR</p>	<p>This button clears ALL values assigned previously.</p>  <p>If you want to delete only one value, select it, and then press , it will erase the selected value without prompting.</p>
<p>PICTU</p>	<p>This button shows a picture of a triangle with their variables.</p>  <p>In that way you'll know what are you doing ;-)</p>
<p>SOLV</p>	<p>This button initializes the solver. In the case that you assign the angles as known data, the program will assume $A=100$, and the other sides will be solved according with A. When the solver determines all the values, it puts a list with the values tagged in the stack.</p>
<p>ABOUT</p>	<p>This button activates the command ABOUT . T, that shows the about message.</p> 
<p>QUIT</p>	<p>Exits the program.</p>

I hope this program could help you in your work. Any suggestion (or bugs) can be sent to moya@hotmail.com. Forgive me my poor English. Thanks. Greetings to Antonio Vanegas (AVP98)