Vecadd() v 2.1 Vector Addition 12-10-03

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v 2.1: This update allows the input of vectors (or complex numbers) in either polar or rectangular form. To simplify keystrokes, that is, to avoid hunting for the angle symbol, $\angle$, polar form is entered as $r,,q$ and rectangular components as x,y. Note the use of 2 commas instead of $,\angle$ in polar form. Entries can be edited. Results are copied to the home screen in both forms. This update also addresses the alpha lock problem which occurred (even with autoaoff() installed) when the program was run by using Catalog, F4. Alpha lock now remains off.

v 1.2: This is an update of a program which calculates a running vector sum of any number of 2-dimensional vectors. The method of data input has been changed in this version, making it easier to notice and correct errors and improving the editing process, both before and after the completion of calculations.

Since data input is done in dialog boxes, I strongly recommend that you download and install autoaoff(), by Kevin Kofler, which turns off the auto alpha lock in dialog boxes.

This program calculates a running vector sum of any number of 2-dimensional vectors. As each vector is entered, the sum of all vectors entered to that point is displayed. Subtraction can be included by entering the magnitude as a negative quantity.

To quit the program, enter 0 for the magnitude of a vector. Copyto_h(), by Samuel Stearley is used to copy the vector sum to the home screen so it can be more easily used in further calculations.

Place Vecadd() and Copyto_h() in the same folder, then run Vecadd().