

# *Calculator:*

The Calculator allows the user to calculate various numerical quantities and create new vectors based upon operations between selected vectors and scalars. If a single vector is selected in the browser, then the Calculator will create new scalars for the magnitude and direction of that vector.

If a scalar and a vector are selected, then the Calculator can create new vectors based upon the scalar multiplication or division of the selected vector.

If two vectors are selected, then the cross product, sum, dot product and difference vectors can be created.

If two scalars are selected, then ordinary scalar arithmetic can be performed between them.

When new vectors or scalars are created, the calculator gives them appropriate names and adds them to the browser. The Editor is automatically called up to allow the new item to be changed.

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