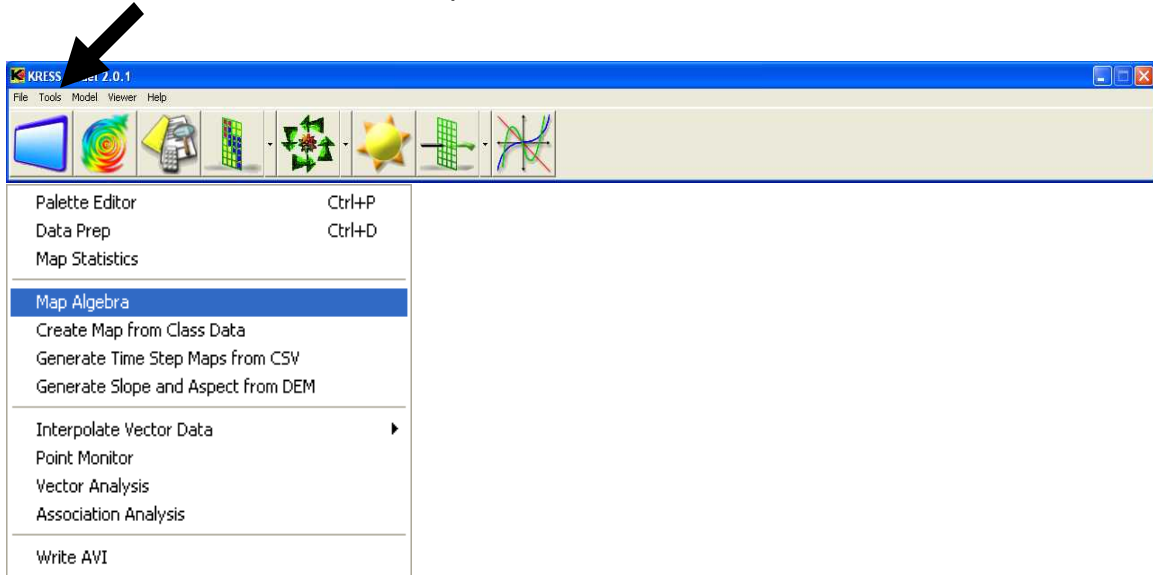
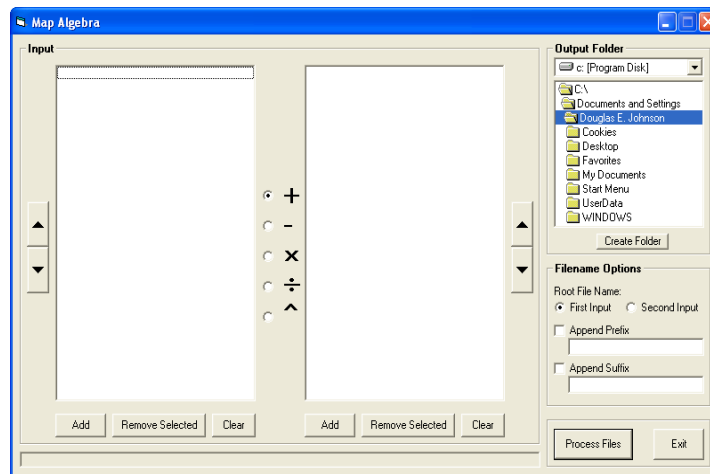


## Map Algebra

The **Map Algebra** form can be accessed by clicking on **Map Algebra** under the **Tools** menu. This allows the user to create new maps by performing algebraic functions on or between old maps.



The user must designate a map in the left frame and one in the right frame, and then choose which of the algebraic functions to use. To add a map to a frame, the user must click the **Add** button under the appropriate frame. If there is more than 1 map in each frame, then the algebraic function will be done on each corresponding pair of maps (the one from each frame on the same horizontal line). If there are multiple maps in one frame, but only one in the other, than that one map will be used for each of the maps in the other frame. The algebraic function is chosen by clicking the **Option** button next to the appropriate signal: addition, subtraction, multiplication, division, or exponential.



The user must specify an output by browsing for a directory and choosing whether the output name is based on the name of the map in the left or right frame. The user can also designate a prefix or suffix by typing it into the appropriate textbox and clicking the checkbox next to the textbox. The Process Files button will perform the requested operations.

