

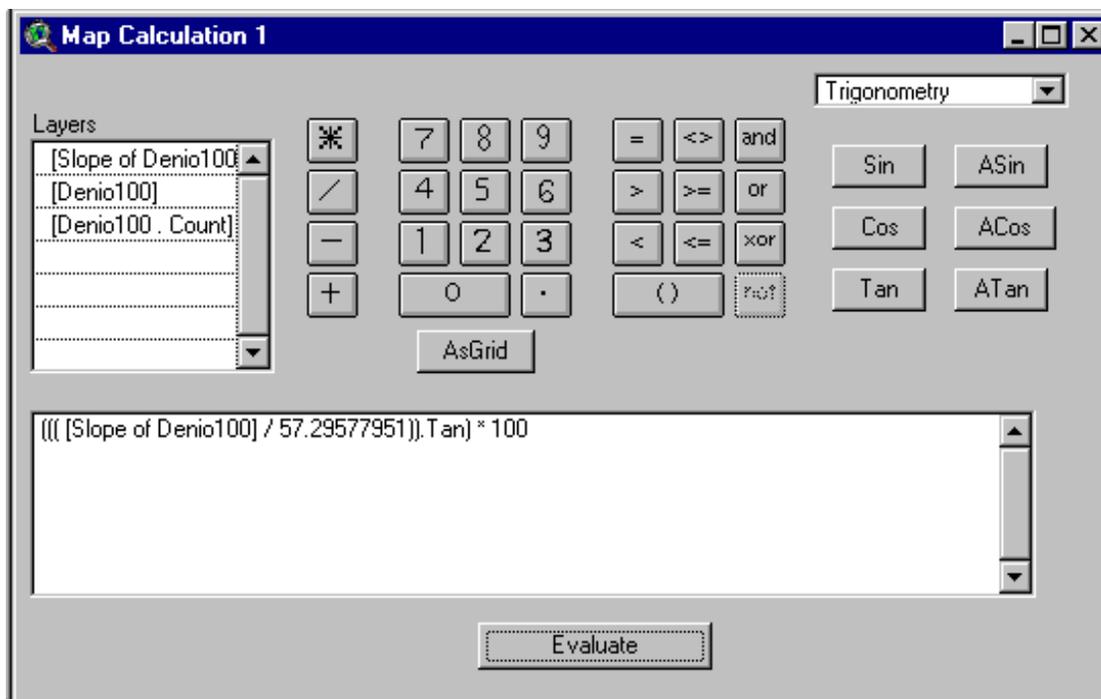
Creating a slope theme with Percent from a slope theme in Degrees

The formula for this is a nasty trig formula but with out going into why and how I give you the formula here in these directions.

1. Derive the slope theme first if not already. <Surface> <Derive Slope>
2. Open the Map Calculator by selecting <Analysis> <Map Calculator>.
3. Enter the formula for calculating slope percent. It seems to work best if the formula is entered entirely with the mouse by clicking on the buttons. That way all the spaces and punctuation are right. The parentheses are entered at the end of each pair. The following is the formula:

$$(((\text{[Slope of ????]}) / 57.29577951)) .\text{Tan}) * 100$$

The “[Slope of ????” is the name of the slope theme



You will need to click on a down arrow to get to the Trig functions.

4. Click on <Evaluate> to create to Slope by Percent theme.
5. For some reason the calculator box did not close for me when it was done so you may need to close the calculator box by clicking on the X.