


## Adding a manual animation slider to your animated ggb file

**This works with GeoGebra 3.1 (no captions on sliders in 3.0).**

1. In GeoGebra, open your ggb file.
  - a. Add variable:  $t_0=0$  (both are zeroes!)
  - b. Redefine your animator variable (in this case d) ...

First find  $sv$  = start value of this variable and  
calculate the difference  $diff$ = end value – startvalue.  
Redefine  $d= sv+diff*t_0$  (where  $sv$  and  $diff$  are actual numbers)
  - c. Add variable, i.e. in the input field **Type: manual=true** and hit **Enter**.

This is a boolean value (true/false) that controls whether a manual animator (slider) will appear on the ggb activity.
  - d. **Click** on the Text icon:  and then  
**Click** in the drawing pad ABOVE where your manual animation slider will go.  
**Type** in the text you want, e.g. for dynamic text: “Distance = ”+d.  
**Click** on Apply.
  - e. **Right-click on the text** and choose Properties.

Make all of the decoration adjustments you want. Don’t forget that if you make any changes in the **Edit tab** – you **MUST CLICK ON APPLY!**

**If** you only want the text to appear when there is manual animation, click on the Advanced tab and type in **manual**



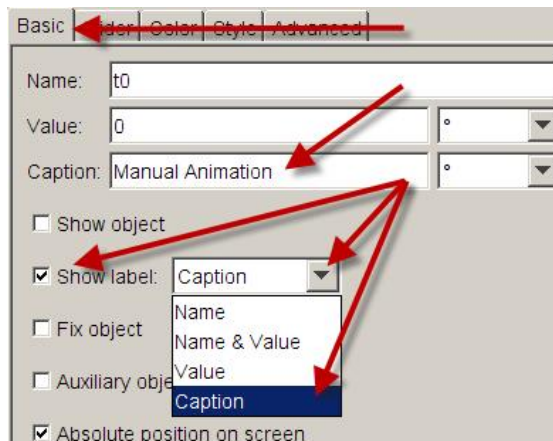
**Recommend:** when you are done with all adjustments, we recommend that you “fix” your texts. This makes it so students don’t accidentally move them. I usually wait until I am all done with absolutely everything and then fix all my texts (Basic tab in the Properties window) all at once. (I usually have to unfix and fix them a couple of times, because I change things around even when I am “absolutely” done 😊.)

- f. **Right-click on  $t_0$**  in the Algebra window and select Show Object.
- g. **Click and drag** your slider under your text.
- h. **Right-click on the slider** and choose Properties

Click on the **Basic** tab:

**Type** in Caption: **Manual Animation**.

**Select** Show label and then **click on the down arrow** and **select Caption**  
(image on next page)



Click on the Color tab. Choose your color.

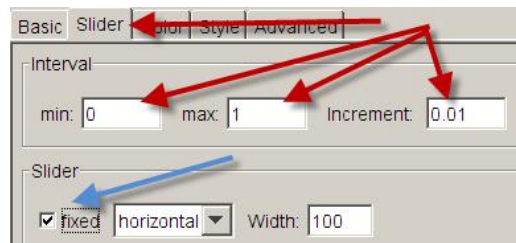
Click on the Style tab. Choose your style.

Click on the Advanced tab. Type in **manual** (case sensitive).



Click on the Slider tab: Type in min: 0 max: 1 increment: 0.01.

**Recommend:** when you are done with all adjustments, we recommend that you “**fix**” your slider. This makes it so that ONLY the slider point will move and not the whole slider (this latter is very annoying to students...).



**Click on Close.**

- i. When you have everything absolutely the way you want it, in the input field type in **manual=false** and hit Enter. The slider and caption should disappear.
  - j. Save your ggb file (rename it if you want).
2. Export your ggb file to a dynamic worksheet (html).
    - Add this line of text in the “Text above the worksheet” dialog box:
      - Click on the Start/Stop button to animate.
  3. Open the folder where the ggb and html file are located.
  4. Copy the file **animator\_once\_man.js** to this folder.
  5. Open the html file for editing.

**d. After tag:**

<body>

Hit enter and add (copy&paste) this line of code:

