
Subject: adjustable sliders

Posted by [seanosea](#) on Thu, 05 Nov 1998 08:00:00 GMT

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Dia daoibh!

I don't know if anyone has done this before, but here goes. I've used this widget for quite a while, found it to be useful when the data varied over a broad range of scales, and so thought I'd share it with you helpful folks.

Here's a tweaking of the beloved cw_fslider. [cw_fsl_adj.pro](http://w3.pppl.gov/~sstrasbu/cw_fsl_adj.html) allows one to adjust the lower and upper ranges on-the-fly by two methods.

First, assuming (of course) that the EDIT keyword is set, one can type <3.34 in the numeric field, and the upper range will be set to 3.34; >2.14 works similarly.

Second, typing *2.8, with 2.8 in the current range, will cause the slider range to be centered around 2.8 and zoomed in by a factor of 4. **2.8 will zoom in by 8; ***2.8 by 16; etc. Typing /2.8 zooms out; //2.8 similarly.

In addition, initializing the slider with a requested VALUE=3.2 above the MAX=3.0 no longer causes an error; MAX is set to VALUE if this happens. It was sometimes a pain to write MAX=var1>var2, VAL=var2 if one didn't know before runtime whether var1 or 2 was going to be larger.

I've found these to be quite useful. But, then again, I have very strange interests. It's not exactly an example of great programming; I welcome comments and debuggings.

The location of the program is, again, from
http://w3.pppl.gov/~sstrasbu/cw_fsl_adj.html
The actual program is at cw_fsl_adj.pro.

Thanks to everyone!

Sean O'Sea

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