
Subject: Re: Medical Imaging Question

Posted by [edward.s.meinel](#) on Wed, 18 Aug 1999 07:00:00 GMT

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In article <MPG.1214e6875d54157c98987f@news.frii.com>, davidf@dfanning.com (David Fanning) wrote:

>
> Let me see if I understand this correctly. Are you saying
> that I might have sliders that would select a "window" of
> data. Say between the values of 1000 and 3500, and that
> what I would see on my display would be something like
> this:
>
> TV, BytScl(image, Max=3500, Min=100, Top=!D.Table_Size-1)
>
> In other words, the gray scale values could be a portion
> or window onto the entire data universe. If this is so,
> how do you usually implement such a sliding window into
> your data?

>
There's lots of ways to do that.

1)Sliders to set the max and min

2)Sliders to set the contrast (slope) and brightness (y-intercept)

3)Sliders or text-entry widgets to set the upper and lower penetration points

4)Select min and max on a plot of the histogram

Personally, I like #2 the least, but others like it because it works sort of like your monitor and TV controls. What I do is a combination of 1, 3, and 4. I have a plot of the histogram and below it are three text widgets -- one displays the cursor location in the histogram window (I suppose I could also include one that displays the number of bin members), the second is for entering either the minimum value or lower penetration point (if it is between 0.00 and 1.00 assume penetration point, otherwise it's the minimum value), and the third is for entering either the maximum value or upper penetration point. I can also select the minimum and maximum levels using the histogram window -- left mouse button selects the minimum, right mouse button selects the maximum.

Ed Meinel

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