
Subject: Re: changing contrast and brightness on the fly
Posted by [Liam E. Gumley](#) on Mon, 18 Jun 2001 15:00:59 GMT
[View Forum Message](#) <> [Reply to Message](#)

Simon Williams wrote:

> I'm looking for tips on how to implement an image display feature that's
> bugging me. I'm new to widget programming, trying to get up to speed
> with David Fanning's book and other helps, but any short-cuts would be
> appreciated.

>

> The job is to display an MRI image and to be able to adjust the image
> brightness and contrast interactively, without going to any special
> widgets like sliders. The control I have in mind is to
> middle-click the image and then have drag right/left control contrast
> and drag up/down control brightness.

>

> The plan is to replicate functionality that the end users (radiology
> folks) are already familiar with from other image viewers. In the
> longer term plan, the display would also be re-sizable and allow
> interactive ROI drawing as well.

>

> It sounds easy but I can't find anything similar described on the web
> etc. to use as a suitable starting point. Question: is changing the
> contrast and brightness to be achieved by re-defining the
> color table and re-scaling the data?

The following may be of interest:

<http://www.sgi.com/grafica/interp/index.html>

Cheers,

Liam.

<http://cimss.ssec.wisc.edu/~gumley/>
