Subject: Re: Extracting image profile?
Posted by rivers on Fri, 02 Jul 1993 14:37:43 GMT
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In article <1993Jul1.151614.13789@ousrvr.oulu.fi> martin@phoenix.oulu.fi (Martin Black) writes:
> Being a fairly novice IDL user, I haven't been able to figure out how
> to extract an arbitrary profile of data values (as opposed to pixel values)
> from an image. The routine PROFILE returns pixel values (i.e., numbers in
> the range 0-255), but what I want is the actual values of the underlying
> data. Can anyone help me out?
>
> Thanks,
> Martin Black
> martin@hiisi.oulu.fi

In general once you display an image on the screen you have lost the information about the underlying data, and so you can only retrieve the screen data values.

I have written a routine called IMG_SCL which is like TVSCL but does the following:

- By default it zooms and centers the image to maximally fill the window.

- One can specify the minimum and maximum values (i.e. black and white values)

- One can explictly set zoom values in X and Y and centering information.

- It copies the input ("raw data") to a common block where my own version of a routine like PROFILE can get at it. Then when I extract profiles I can get back the original "RAW" data values, not just the screen pixel values.

- It allows zooming by pixel replication or by interpolation.

If interested I can mail you the required routines.

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