Subject: adjustimg brightness of an image
Posted by akk on Sat, 17 Oct 1998 07:00:00 GMT
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Hi,
I am writing a program which scales images(i.e. images of galaxies) , adjusts their brightness and apparent distances, and then adds each image to a final image, which in the end just comprises all of the images which were added to it.

Many of the images on the final image appear very faint, and I was told that
one can use the tvscl command to adjust brightness by using the following syntax:

tvscl<Number1>Number2

To my understanding this will make all pixels with values LESS than Number1, equal to Number1 and make all pixels w/ values GREATER than Number2
equal to Number2, while adjusting all other pixels with values in between Number1 and Number 2 accordingly.

I've tried using the tvscl keyword (with varying values of Number1 and Number2) but after the image is redisplayed, only a black screen appears (with no apparent image on it). I've tried adjusting the brightness of other already existing images, and also have had no luck.

In addition I tried making Number1 = MIN(finalimage), and Number2 = MAX(finalimage), thinking that the final image would be redisplayed as if i had just entered in "tvscl, finalimage". However a only blank image is redisplayed to the screen.

I've looked through the IDL userguide books, ONLINE Help, and various web pages, but haven't seen any information on using tvscl in this different format (tvscl<...>...).
Does someone know another way of adjusting the brightness of an image, a web site where this format of tvscl is explained, or
could someone tell me if I am misunderstanding the use of tvscl<..>..?

In addition when viewing my final image with "tvscl, finalimage"
the foloowing error was outputted:

Program caused arithmetic error: Floating illegal operand
How can I correct this error?

Thanks, in advance...

Anil

p.s.: Please respond to my email address