Subject: invert_ct?
Posted by dean on Wed, 07 Jun 1995 07:00:00 GMT
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There is h_eq_ct and gamma_ct, but is there a invert_ct to invert the
color table of a raster image. If not, what would be the simplist way
to invert the color table of an image with IDL?

Bonus question - what would be the simplist way of inverting the values
of an image itself?

Kelly Dean
CSU/CIRA

Subject: Re: invert_ct?
Posted by sjt on Wed, 07 Jun 1995 07:00:00 GMT
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dean@phobos.cira.colostate.edu wrote:

: There is h_eq_ct and gamma_ct, but is there a invert_ct to invert the
: color table of a raster image. If not, what would be the simplist way
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: of an image itself?

: Kelly Dean
: CSU/CIRA

Unless I seriously misunderstand what you are trying to do, it seems trivial:

tvlct,r,g,b,/get
tvlct, not r, not g, not b

Similarly for a byte image, (not image) will do a bitwise inversion. For
other types the action is the same but results are not quite as obvious
because other types are signed.

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+----------------------+-------------------------------- --+---------+
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+--- --+---------+

Subject: Re: invert_ct?
Posted by knipp on Wed, 07 Jun 1995 07:00:00 GMT
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In article 25me@yuma.ACNS.ColoState.EDU, dean@phobos.cira.colostate.edu writes:
>
> There is h_eq_ct and gamma_ct, but is there a invert_ct to invert the
> color table of a raster image. If not, what would be the simplist way
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> of an image itself?
>
> Kelly Dean
> CSU/CIRA

Assuming 8-Bit images (8 Bits Per Pixel, grey values range 0 ... 255) try

invert_grey = 255b - original_grey

Karlheinz Knipp
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