
Subject: Re: IDL 8 image function

Posted by [penteado](#) on Wed, 02 Feb 2011 15:51:55 GMT

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On Feb 2, 1:30 pm, sh <sebastian.h...@gmail.com> wrote:

> On Feb 2, 2:31 pm, sh <sebastian.h...@gmail.com> wrote:

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>> On Feb 2, 12:44 pm, sh <sebastian.h...@gmail.com> wrote:

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>>> On Feb 2, 11:44 am, David Forcadell <david...@gmail.com> wrote:

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>>>> On Feb 2, 11:02 am, sh <sebastian.h...@gmail.com> wrote:

>

>>>> > Hi,

>

>>>> > Is there any option/keyword to turn of the scaling between 0-255? I

>>>> > have already scaled by values e.g. between 0 and 100 because I only

>>>> > want to use this colors in the colortable, and not all of them!

>>>> > Thanks!

>

>>>> > Sebastian

>

>>>> I am not sure that i understand you question, but perhaps you want

>>>> this :

>

>>>> result=BYTSCL(MAT_IN , TOP=100)

>

>>> Yes I do it exactly like this, but image() rescales it again between 0

>>> and 255. How to turn this off?

>

>> Another question, is there any possiblity to set a background value

>> like NaN in iimage?

>

>> All NaN values are transformed to 0 after bytscl?

>

> Ok I think I found the problem. Within idlitvisimage__define.pro in

> line 1801 there is the bytscl, without the possibility to turn it off.

>

> Would be nice to specify the top and bottom or even turn it off if the

> data is already scaled.

>

> Then the next think is the colorbar which didn't match when I update

> line 1801 with top and bottom.

If I understand this right, you can to map your data into RGB, and give image() a 3 channel image, which it will display as it is. If you do that, you can also make it a 4 channel image, with the alpha (transparency) channel determined by the presence of NaNs, to make NaNs transparent.
