Subject: IDL Image Binary Coloring
Posted by Kai Heckel on Tue, 21 Jul 2015 12:33:14 GMT
View Forum Message <> Reply to Message

Hey there!

I produced an array with 0's and 1's and I would like to visualize that simply by using the "image"-command

I tried to figure it out by looking in the manual but that didn't help....

Is it even possible to do that?

Greetings

Subject: Re: IDL Image Binary Coloring
Posted by dg86 on Tue, 21 Jul 2015 13:56:16 GMT
View Forum Message <> Reply to Message

On Tuesday, July 21, 2015 at 8:33:16 AM UTC-4, Kai Heckel wrote:
> Hey there!
>
> I produced an array with 0's and 1's and I would like to visualize that simply by using the "image"-command
>
> I tried to figure it out by looking in the manual but that didn't help....
>
> Is it even possible to do that?
>
>
> Greetings

The image() command does not expand its argument's
dynamic range automatically. So 1 looks very similar to 0.

To address this ...

IDL> img = image(bytscl(array))

or

IDL> img = image(255*array)

Subject: Re: IDL Image Binary Coloring

Posted by Kai Heckel on Thu, 23 Jul 2015 14:43:14 GMT
View Forum Message <> Reply to Message

Am Dienstag, 21. Juli 2015 15:56:18 UTC+2 schrieb David Grier:
> On Tuesday, July 21, 2015 at 8:33:16 AM UTC-4, Kai Heckel wrote:
>> Hey there!
>>
>> I produced an array with 0's and 1's and I would like to visualize that simply by using the "image"-command
>>
>> I tried to figure it out by looking in the manual but that didn't help....
>>
>> Is it even possible to do that?
>>
>>
>> Greetings
>
> The image() command does not expand its argument's
> dynamic range automatically. So 1 looks very similar to 0.
>
> To address this ...
>
> IDL> img = image(bytscl(array))
>
> or
>
> IDL> img = image(255*array)

Thanks David!

I also found out that it is possible to use the MIN and MAX keyword. This also leads to a binary map.