
Subject: Re: 2D array as colour dot image
Posted by [David Fanning](#) on Fri, 25 Jan 2013 00:25:39 GMT
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markjamie@gmail.com writes:

> So I've got an image of my array working quite well, the down side is that often my array is
sparsely populated and contains a lot of zeros.
>
> In my code I've been using colour table 39 as it provides fairly good colour variation. The bad
thing about using this CT is that the bottom colour is black, which given many of my array
elements are zero, means that the majority of my image is black.
>
> I tried replacing all the zeros in my array with. !values.d_nan into the hope that they're not
plotted, but they still get drawn as the bottom colour (black).
>
> How can I plot my array using only values above zero, meaning the majority of the image is
transparent / the same colour as the background (white), helping the non-zero elements to stand
out?

You should have a look at the last example in the new Coyote Graphics
Plot Gallery. In the Density Plot of Two Variables with Contours
Overlaid example, the values that are zero are displayed in a light gray
color. You can make it any color you like.

<http://www.idlcoyote.com/gallery/>

This is exactly the situation you are facing.

Cheers,

David

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Coyote's Guide to IDL Programming: <http://www.idlcoyote.com/>
Sepore ma de ni thue. ("Perhaps thou speakest truth.")
