
Subject: Re: Some kind of paintbucket-function?

Posted by [David Fanning](#) on Wed, 02 Apr 2003 13:35:56 GMT

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> I have images (2D als well as 3D) with a lot of white dots surrounded by a
> black/dark medium. I want to find all white dots with the MAX-function wich
> returns only the whitest dot. In my case the dots have a size of more than
> one pixel, so I need some kind of a paintbucket function (like known in
> Photoshop) to fill the found dot with black and then search for the next dot
> in the image.

>

> Is this kind of function available in IDL 5.4? If not, I would greatly
> appreciate an implementation suggestion since I am new to IDL.

The MAX function can find the whitest dot, as well as the index of that dot, but a more general solution would be to use the HISTOGRAM function and REVERSE_INDICES to locate these values.

http://www.dfanning.com/tips/histogram_tutorial.html

To "fill" the dot, use the brightest pixel as a seed for the SEARCH2D function. This will give you the pixel locations of all the "like-minded" pixels in the immediate vicinity.

Cheers,

David

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