Subject: Re: block fill image
Posted by Juggernaut on Fri, 05 Sep 2008 14:29:08 GMT
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On Sep 5, 9:50 am, "ben.bighair" <ben.bigh...@gmail.com> wrote:
> On Sep 5, 7:58 am, maffie <matthias.demuz...@geo.kuleuven.be> wrote:
>
>> Dear all,
>
>> I would like to make an image, presenting cluster classes on the x-
>> axes, and different variables on the Y-axes. Each combination (Xi,Yi)
>> should be represented by a block, whereby its color fill should
>> represent a standard deviation, and with the mean written in the box
>> as text.
>
> Hi,
>
> I think you could simply create the image and populate each pixel with
> the standard deviation. Then the trick is to use an image display
> routine that will use nearest neighbor interpolation - try David
> Fanning's TVSCALE or Liam Gumley's IMDISP for example. You'll want to
> carefully control the color scheme for which each of these gives you
> plenty of options. The subsequent annotations can be done using
> XYOUTS like this..
>
> dy = (y[1]-y[0])/2.
> for i = 0L, nx-1 do begin
> for j = 0L, ny-1 do begin
> XYOUTS, x[i], y[j] + dy, stddev[i,j], ALIGN = 0.5, ...
> endfor ; j loop
> endfor ; i loop
>
> You may want to add an offset in the Y direction for the image - that
> is what the dy is about.
>
> Cheers,
> Ben

polyfill is another IDL procedure that you may be interested in if you
are wanting to make blocks of different colors on the plot