Subject: Re: Associate a color to each element in a vector
Posted by Gray on Sun, 12 Jun 2011 20:41:33 GMT
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On Jun 12, 9:25 am, "le.davide" <le.dav...@tiscali.it> wrote:
> Dear all,
> consider a scatter plot of the couple of points (x,y), where each x
> and y is an array. Do you know if it is possible to associate a color
> to each element according to its position in the vector?
> ...I don't know of much this is clear.
> Thanks in advance.

So, what you probably want is something like this.

colors = indgen(n_elements(x))
plots, x, y, color=colors, psym=1

Subject: Re: Associate a color to each element in a vector
Posted by Gray on Sun, 12 Jun 2011 20:42:06 GMT
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On Jun 12, 9:25 am, "le.davide" <le.dav...@tiscali.it> wrote:
> Dear all,
> consider a scatter plot of the couple of points (x,y), where each x
> and y is an array. Do you know if it is possible to associate a color
> to each element according to its position in the vector?
> ...I don't know of much this is clear.
> Thanks in advance.

Or rather, colors=scale_vector(indgen(n_elements(x)),0,255)

Subject: Re: Associate a color to each element in a vector
Posted by David Fanning on Sun, 12 Jun 2011 21:50:40 GMT
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le.davide writes:

> consider a scatter plot of the couple of points (x,y), where each x
> and y is an array. Do you know if it is possible to associate a color
> to each element according to its position in the vector?

Here is an example of a scatterplot that uses colors like
this:

http://www.idlcoyote.com/tips/scatter3d.html

Cheers,

David

--
David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: http://www.dfanning.com/
Sepore ma de ni thue. ("Perhaps thos speakest truth.")

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Subject: Re: Associate a color to each element in a vector
Posted by le.davide on Mon, 13 Jun 2011 17:55:03 GMT
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On Jun 12, 4:42 pm, Gray <grayliketheco...@gmail.com> wrote:
> On Jun 12, 9:25 am, "le.davide" <le.dav...@tiscali.it> wrote:
>
>> Dear all,
>> consider a scatter plot of the couple of points (x,y), where each x
>> and y is an array. Do you know if it is possible to associate a color
>> to each element according to its position in the vector?
>> ...I don't know of much this is clear.
>> Thanks in advance.
>
> Or rather, colors=scale_vector(indgen(n_elements(x)),0,255)

Thanks for the suggestion but I get the error message:
PLOT: Expression must be a scalar or 1 element array in this context:
COLORS.

---

Subject: Re: Associate a color to each element in a vector
Posted by Gray on Tue, 14 Jun 2011 07:24:25 GMT
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On Jun 13, 10:55 am, "le.davide" <le.dav...@tiscali.it> wrote:
> On Jun 12, 4:42 pm, Gray <grayliketheco...@gmail.com> wrote:
>
>> On Jun 12, 9:25 am, "le.davide" <le.dav...@tiscali.it> wrote:
>
>>> Dear all,
>>> consider a scatter plot of the couple of points (x,y), where each x
>>> and y is an array. Do you know if it is possible to associate a color
>>> to each element according to its position in the vector?

>>>  ...I don't know of much this is clear.
>>>  Thanks in advance.
>
>>  Or rather, colors=scale_vector(indgen(n_elements(x)),0,255)
>
>  Thanks for the suggestion but I get the error message:
>  PLOT: Expression must be a scalar or 1 element array in this context:
>  COLORS.

That's because you're using PLOT and not PLOTS, which lets you specify
a vector of colors.

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