
Subject: Re: about color table

Posted by [Jeremy Bailin](#) on Sat, 20 Jun 2009 03:55:27 GMT

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On Jun 19, 10:18 am, David Fanning <n...@dfanning.com> wrote:

> Jeremy Bailin writes:

>> Another way of going from array to scaledData (i.e. everything in
>> between TVLCT and TVImage in David's code), that's probably easier to
>> deal with if you want to change the values (or number) of the cutoffs,
>> is:

>

>> cutoffs = [0.2, 0.3, 0.5, 0.8]

>> scaledData = byte(value_locate(cutoffs, array) + 2)

>

> Thanks, Jeremy, for pointing this out. Even as jaded an IDL
> programmer has me had raised eyebrows when I read this. :-)

>

> I've written an article about this so others can learn about it.

>

> http://www.dfanning.com/code_tips/partition.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 thui. ("Perhaps thou speakest truth.")

Yeah, value_locate is very handy for problems like this! I particularly like using it as a precursor to histogram - i.e. if you want to do something fancy using reverse_indices but don't have uniformly-spaced bins, first use value_locate to get integer indices and then use histogram to do the heavy lifting.

-Jeremy.
