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Subject: Re: Fast Implementation

Posted by [Pavel A. Romashkin](#) on Fri, 05 Jul 2002 17:06:02 GMT

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David, I envy you. Your busy time ended in 44 minutes (10:22 first post, 11:06 the second). Obviously, you need to help me with that foundation now :-)

Cheers,

Pavel

David Fanning wrote:

>

> David Fanning (david@dfanning.com) writes:

>

>> If you normalize your quadrant to 1, and take a bin size  
>> of 0.5, then a Histogram would give you the answer in, oh,  
>> 0.00005 seconds. :-)

>

> Sorry, I was busy before. Here is an example of what I  
> mean:

>

> \*\*\*\*\*

> PRO Example

>

> ; Find out how many points are in each quadrant  
> ; of a 2D space given by the max and min of the  
> ; data.

>

> x = (randomu(seed, 1000) - 0.5) \* 100

> y = (randomu(seed, 1000) - 0.5) \* 100

> Plot, x, y, /NoData

> Oplot, x, y, Psym=4

>

> xx = Scale\_Vector(x, 0, 0.9999999)

> yy = Scale\_Vector(y, 0, 0.9999999)

> result = Hist\_2D(xx, yy, Bin1 = 0.5, Bin2=0.5, \$

> Min1=0, Max1=1.0, Min2=0, Max2=1.0)

> print, result[0:1, 0:1]

> END

> \*\*\*\*\*

>

> You can find the Scale\_Vector program on my web page:

>

> [http://www.dfanning.com/programs/scale\\_vector.pro](http://www.dfanning.com/programs/scale_vector.pro)

>

> Cheers,

>

> David

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> --  
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> Coyote's Guide to IDL Programming: <http://www.dfanning.com/>  
> Toll-Free IDL Book Orders: 1-888-461-0155

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