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Subject: Re: selecting random number from 2D array  
Posted by [David Fanning](#) on Thu, 10 Mar 2011 16:03:42 GMT  
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Paolo writes:

- > Please do be careful and recognize that a random point
- > on a sphere will not have a uniform distribution of latitudes,
- > and a set of point with a uniform distribution of latitudes
- > will not be uniform on a sphere.
- >
- > For instance to obtain the following uniform distributions
- >
- > [www.grigis.ch/spherepoints.png](http://www.grigis.ch/spherepoints.png)
- >
- > I had to account for that.

Here is more information about points on a sphere:

[http://www.idlcoyote.com/code\\_tips/pts\\_in\\_sphere.html](http://www.idlcoyote.com/code_tips/pts_in_sphere.html)

Cheers,

David

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Coyote's Guide to IDL Programming: <http://www.idlcoyote.com/>  
Sepore ma de ni thui. ("Perhaps thou speakest truth.")

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