

## Re: EQ for surface area (S2) of a hypersphere

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bob@mymail.com (Bob Jones) wrote in message  
news:<200410050135.i951Zd818913@proapp.mathforum.org>...  
> *It is trivial to derive the 3D volumetric 'surface area' (S3) of a*  
> *hypersphere (N=4)*  
> *(1)  $S3 = 2 \pi^{**2} r^{**3}$*   
> *.. moreover, what is the formula for it as a function of the polar angle*  
> *phi?*

How do you define phi for N=4 ?