
Subject: Re: Calculating area of latitude-longitude quadrangle?

Posted by [R.G.Stockwell](#) on Tue, 23 Aug 2011 20:37:29 GMT

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>
>
> "Ashley Berg" wrote in message
> news:7e751dd7-f940-4246-bb73-a68fad00140d@b1g2000vbb.google groups.com...
>
> Is there any way to calculate the area of a latitude-longitude
> quadrangle in IDL, or some formula I could use?
> MATLAB can (using areaquad from the Mapping Toolbox, which can return
> surface area in km² of a lat/lon box covering a part of Earth) but I
> do not have access to MATLAB.

actual surface area would be impossible, but just integrate the surface of a
sphere and that could get you close enough.

cheers,
bob
