Subject: Re: Spherical Harmonics.
Posted by bowman on Mon, 10 Apr 1995 07:00:00 GMT
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In article <3mb3uk$5bn@sun4.bham.ac.uk>, sjt@xuna.sr.bham.ac.uk (James Tappin) wrote:

> Does anyone have either of the following:
>
> 1) A routine to fit (low order) spherical harmonics to data. That is take
> data tabulated at selected latitude & longitude values and return
> spherical harmonic coefficients of the best fit.

There is a Fortran package available from NCAR (ftp.ncar.ucar.edu) to compute spherical harmonic transforms (either direction) on regular or Gaussian lat-lon grids.

Try: http://http.ucar.edu/SOFTLIB/SPHERE.html

You can call Fortran from IDL, although I haven't tried to call this particular library.

Regards, Ken Bowman

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