Subject: Range of "Spherical Coordinates" in SPHER_HARM
Posted by Karlo Janos on Thu, 09 Oct 2008 12:38:52 GMT
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Hello all!

I am a little bit confused about the usage of spherical coordinates in
the function SPHER_HARM.
The first parameter should be the azimuthal angle theta (in the help
document named 'polar' or 'colatitudinal') and the second parameter the
polar angle phi (in the help document named 'azimuthal' or
'longitudinal').
According to the example code at the end of the help page the range for
theta seems to be [0; pi] as I would have presumed. But what is the
range for phi? [0; 2pi] or [-pi; pi]? In some functions (where the
keyword '/DEGREES' is possible) it must be the latter, relating to the
coordinate system of the earth. But what about SPHER_HARM? I did not
find any explanation about the definition of theta and phi there.
Does anybody see clearly here?
Greets

Karlo