Subject: GRID3

Posted by Fourier on Tue, 14 Dec 2010 16:49:29 GMT

Hello, I am trying to use the GRID3 routine for a set of volume
emission rates for a given altitude, latitude, and longitude. The alt,
lat, and lon data are initially in three 1D arrays so I converted them
into three 3D arrays, matching in size to the volume emission rate 3D
array. When I run the GRID3 rountine on the arrays the compiler
returns the error message

 Ill-conditioned matrix or all nodes co-planar

I am not really sure what is going on. I have tried increasing the
value of DTOL, but this does not seem to help. I have compared the
arrays I am using as input into GRID3 with another program that has a
working example of GRID3 and things seem to match up. Does anyone know
of a trick of getting GRID3 to work?