Hi,

I have created a 5 dimensional data cube (pressure, temperature, relative humidity, frequency, transmission) with a radiative transfer model. I have a user that will need to get transmission data for given values of the rest of the parameters, so I am currently planning to interpolate the cube to the input values of the user.

Does anyone know of any multi-dimensional interpolation routines (similar to spline) that would be able to perform this task?

-Ian