
Subject: Interpolation from irregular to regular grid
Posted by [adisn123](#) on Tue, 08 Aug 2006 19:24:02 GMT
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Hi,

While reading a paper relevant to my project, I found one thing really questioning.

The paper used an interpolation method to obtain a regular three-dimensional grid from the irregular three-dimensional data set.

I wonder whether there are any advantages in reforming an irregular data grid to a regular grid. Whatever the irregular data points are, aren't there the real data? If you change to a regular grid, then don't the data values slightly change?

That is, my question will be when, and why do we want to change from an irregular grid to a regular grid in 3D?
