
Subject: DIL interpolation over n dimensions

Posted by [Pascal DoctorDisco](#) on Tue, 25 Feb 2014 16:04:49 GMT

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hello,

I'm looking for an N-D interpolation (on lookup tables) in IDL,
something like $V_q = \text{interp}(X_1, X_2, X_3, \dots, V, X_{1q}, X_{2q}, X_{3q}, \dots)$ from $M^{***}B$

Do you have any idea, maybe using some recursive call to interpolate, but I'm pretty lost using this kind of feature in IDL,

Or did someone kept the routine from Peter Albert `interpolate_n.pro`
The link here belong looks dead

Best regards
Pascal

Peter Albert writes:

> Here is my recursive treasure: `interpolate_n`, extending IDL's
> `INTERPOLATE` routine to up to 8 dimensions. I have to admit that is has
> been years since I wrote it and I am not completely sure any more how
> the routine actually works, but it still seems to give the right
> results ... :-) The recursive part is about getting the neighbouring
> values for each dimension, I guess.
>
> http://wew.met.fu-berlin.de/idl/interpolate_n.pro
