
Subject: Multivariate interpolation

Posted by [Philippe Peeters](#) on Tue, 19 May 1998 07:00:00 GMT

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Hi,

I'm looking for an IDL code (or a basic algorithm) to perform a multivariate interpolation.

Basically, I have a N-dimensional lookup table $F(X_1, X_2, \dots, X_N)$ and, given a vector value $X=(X_1, X_2, \dots, X_N)$ in this space I want to interpolate the function F at X . IDL can do this in 1 and 2 dimension (INTERPOLATE and BILINEAR) but nothing for N dimensions.

BTW, MATLAB has a routine like that (INTERPN).

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Philippe Peeters

Belgian Institute for Space Aeronomy Tel: +32-2-373.03.81
Institut d'Aeronomie Spatiale de Belgique Fax: +32-2-374.84.23
3 Avenue Circulaire Email: philp@oma.be
B-1180 Brussels, Belgium http://www.oma.be/BIRA-IASB/
