Subject: 4D Interpolation
Posted by g.nacarts on Tue, 02 Feb 2016 14:00:46 GMT
View Forum Message <> Reply to Message

Hi

The standard INTERPOLATE function works up to 3 dimensions. I need a 4D interpolation.

I came across with a post referring to interpolate_n.pro by Peter Albert but is no longer available.

Any suggestion?

Subject: Re: 4D Interpolation
Posted by markb77 on Tue, 02 Feb 2016 15:46:51 GMT
View Forum Message <> Reply to Message

the web archive to the rescue!

http://web.archive.org/web/20051217124215/http://wew.met.fu- berlin.de/idl/interpolate_n.pro

Subject: Re: 4D Interpolation
Posted by g.nacarts on Wed, 03 Feb 2016 11:29:56 GMT
View Forum Message <> Reply to Message

Did you use it before? I keep getting the following error: "Array subscript for N_F_I (WHAT_I_NEED_FOR_INTERPOLATION) must have same size as source expression."

I tried the following example

```
X = FINDGEN(2,50,50,5,125)
X1 = FINDGEN(128)
X2 = FINDGEN(128)
X3 = FINDGEN(20)
X4 = FINDGEN(125)

Xint  = FLTARR(2,128,128,20,125)

Xint[0,*,*,*,*] = INTERPOLATE_N(reform(X[0,*,*,*,*]), X1, X2, X3, X4)
```