
Subject: 4D Interpolation

Posted by [g.nacarts](#) on Tue, 02 Feb 2016 14:00:46 GMT

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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

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the web archive to the rescue!

http://web.archive.org/web/20051217124215/http://www.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

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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)
```
