Subject: Re: multi-dimensional SVDFIT?
Posted by thompson on Fri, 30 Jan 1998 08:00:00 GMT
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khayat@enp.umd.edu writes:

> Hi,
> Does anyone know of a .pro which contains the generalized multi-dimensional
> SVDFIT routine? The standard SVDFIT in IDL is in one dimension, y=f(x).
> I am looking for a y=f(x1,x2) SVDFIT.
> Thanks
> M. Khayat

Here's a technique that should work. Define x to be a structure with N elements, and have x1 and x2 be tags of that structure. For example,

```
X = {X1: 0.0, X2: 0.0}
X = REPLICATE(X, N_ELEMENTS(X1))
X.X1 = X1
X.X2 = X2
```

Then, simply define the function being passed to SVDFIT such that it extracts x1 and x2 from the structure array x.

Bill Thompson