
Subject: Re: mpfit: multivariate fit

Posted by [David Fanning](#) on Tue, 08 May 2007 14:45:30 GMT

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Dave writes:

> Thanks hradilv, that does help. I also found that I could get it to
> work if I expand the dimensions and make everything a vector prior to
> fitting. I'd be interested in knowing from Craig if your fix is ok as
> I greatly prefer it to the fiddling below.

I don't speak for Craig, but I'm going to guess that Vince's
"fix" is not going to go over well. :-)

Here is the line that breaks:

```
fjac(0,j) = (fp-fvec)/h(j)
```

When it breaks, fjac is a [300,9] array. And what
you are trying to stuff into it is a [100,3] array.
But, j is 7, which means you are trying to do something
like:

```
fjac[0:99, 7:9] = thisThing
```

Of course, that "9" is what is causing the grief.

I think Vince's fix just makes it possible to stuff
the data into fjac *somewhere*. This seems a dubious
proposition when you are looking for good results. :-)

Cheers,

David

--

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Coyote's Guide to IDL Programming: <http://www.dfanning.com/>

Sepore ma de ni thui. ("Perhaps thou speakest truth.")
