
Subject: mpfit

Posted by [Bhuvi](#) on Thu, 26 Oct 2017 06:34:26 GMT

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Hi,

I am using mpfit to fit the voigt profile to the given data. But I am getting an error like this

```
GDL> res=mpfit('voigt',p0,functargs=fa,STATUS=staus,ERRMSG=errmsg )
```

```
GDL> print,res
```

```
nan
```

```
GDL> print,errmsg
```

```
ERROR: recursion detected; you cannot run MPFIT recursively
```

How do we know where is the recursion happening and how to avoid the recursion?

Subject: Re: mpfit

Posted by [Craig Markwardt](#) on Thu, 02 Nov 2017 15:54:24 GMT

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On Thursday, October 26, 2017 at 2:34:38 AM UTC-4, Bhuvi wrote:

> Hi,

> I am using mpfit to fit the voigt profile to the given data. But I am getting an error like this

> GDL> res=mpfit('voigt',p0,functargs=fa,STATUS=staus,ERRMSG=errmsg)

> GDL> print,res

> nan

> GDL> print,errmsg

> ERROR: recursion detected; you cannot run MPFIT recursively

>

> How do we know where is the recursion happening and how to avoid the recursion?

I'm guessing you had one MPFIT session crash in the middle of a fit, then you tried to run it again.

As documented in mpfit.pro, you can run MPFIT_RESET_RECURSION to reset the recursion detection.

Craig
