
Subject: Voigt function fit using MPFIT

Posted by [Sreelakshmi S](#) on Wed, 02 Oct 2013 11:12:55 GMT

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Hi,

I have a set of observed data of flux vs wavelength. I am trying MPFIT to fit a voigt function. I defined the function as

```
FUNCTION fit,p,X=x2,Y=nflux2
```

```
model=double((voigt(p[0],p[1])*1e-13)/(p[3]*sqrt(!pi)))
return,(Y-model)/err
```

```
END
```

But when I run this, the following errors are coming

```
FUNCTION fit,x2=X,nflux2=Y,p
      ^
```

% Programs can't be compiled from single statement mode.

```
return,(Y-model)/1
      ^
```

% Syntax error.

Why is this happening?
