
Subject: Re: Plane fit

Posted by [Steve.Morris](#) on Tue, 27 Apr 2004 21:18:01 GMT

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Hi!

Thanks both, the function `plane_fit` is really straightforward and work excellent!

I have tried to get more confident with the powerfull `mpfit` package, but I'm still stuck at the first step :(

Here is what I do (where `x,y,z` have the following format `array[n]` and I have no errors for my data ... `gedankexperiment` ;) !)

```
FitParms = MPFIT2DFUN('Plane2DFunction',$
    x ,y, z,$
    start_params=[0.D,0.D,0.D],$
    /WEIGHTS, /Quiet)
```

where the fitting function is defined as follows

```
FUNCTION Plane2DFunction, x, y, P
Return, P[0] + P[1]*x + P[2]*y
END
```

If I use the keyword `Quiet`, and `query(help,FitParms)` about `FitParms`,
idl reply me

```
FITPARMS    DOUBLE    =    NaN
```

If I drop the keyword `Quiet`, I have the following message
`MPFIT2DFUN: ERROR: must pass parameters in P or PARINFO`
and `FitParms` is still `NaN` ...

Where do I wrong? Probably I'm doing something really stupid
Thanks!Cheers,
S.
