

---

Subject: Re: help with mathematics

Posted by [Craig Markwardt](#) on Thu, 31 May 2012 05:09:04 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

On May 30, 3:24 pm, Russell Ryan <rr...@stsci.edu> wrote:

> On May 30, 8:52 am, nata <bernat.puigdomen...@gmail.com> wrote:

>

>> Thank you for reply Russell ! I am already reading the documentation for curvefit. I will try to solve the equation as you say...

>> These mathematical things are not obvious to me and sometimes I don't know what to do to solve this kind of problems.

>

>> Anyway, I will let you know if I don't find a good fit.

>> Thank you,

>

>> nata

>

> Hi nata,

> on a hunch I did the curvefit thing last night. The results don't

> really look very good, and it makes me wonder if the model is not very

> good....

I did this... (using my MPFIT package)

```
Rinit = [1,1,1.]
```

```
expr = '(P[0] + P[1]*X + P[2]*X^2 + ((1-P[1]-4*P[2])/12)*X^3)'
```

```
R = mpfitexpr(expr,x,y,1.0,Rinit, yfit=yfit)
```

```
plot, x,y
```

```
oplot, x, yfit, color='ff'xl
```

... and you're right, it doesn't look like a good model fit.

Craig

---