

---

Subject: Re: How to calculate 3SIGMA in Linfit!

Posted by [d.poreh](#) on Tue, 12 Jun 2012 07:07:40 GMT

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

---

On Monday, June 11, 2012 6:25:35 PM UTC+2, Craig Markwardt wrote:

> On Monday, June 11, 2012 3:51:50 AM UTC-4, dave poreh wrote:

>> Dear folks

>> hi,

>> i want to calculate 3sigma in linfit function. sigma function just give me the SD and i could not do 3\*sigma to get 3sigma. As far as i understood first i need to transfer data to normal function and then i find SD and 3SD=3sigma.

>

> I'm assuming you want to calculate a 3 sigma confidence limit. But of what? The slope coefficient? Offset coefficient?

>

> As far as I understand, 3 sigma is indeed usually 3 times the 1 sigma error estimate. When your fitting function is non-linear it gets more complicated, but yours is not-nonlinear.

>

> Craig

I want to measure velocity of the time series that means i would have a velocity and +- 3sigma error.

Cheers,

Dave

---