



Jason Byrne <jbyrne6@gmail.com>

Error bars

5 messages

Jason Byrne <jbyrne6@gmail.com>**25 February 2008 13:56**

To: Peter Gallagher <peter.gallagher@tcd.ie>

Cc: james mcateer <rtjmca@gmail.com>

Hi,

This is a plot with the refined error analysis. Upon looking at the code, it would seem wrong not to use derivsig when using deriv. considering a simple derivative would put the points at the intervals and lose the end points anyway. Maybe Pete's work would help us out with this. Do we want to try, or shall I just work with what we've got and finish the paper?

Jason.

**20000102_kins_incl_cdaw.ps**

46K

Peter Gallagher <peter.gallagher@tcd.ie>**25 February 2008 14:56**

To: Jason Byrne <jbyrne6@gmail.com>

Cc: james mcateer <rtjmca@gmail.com>

Hi Jason - could you drop into my office at some point today to discuss?

PG

Peter Gallagher PhD

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R. T. James McAteer <rtjmca@gmail.com>**25 February 2008 15:00**

To: Jason Byrne <jbyrne6@gmail.com>

Cc: Peter Gallagher <peter.gallagher@tcd.ie>

Looks much prettier. Grab me when you pop in to see Peter.

On 25 Feb 2008, at 13:56, Jason Byrne wrote:

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[<20000102_kins_incl_cdaw.ps>](#)

Jason Byrne <jbyrne6@gmail.com>

25 February 2008 16:50

To: "R. T. James McAteer" <rtjmca@gmail.com>

Cc: Peter Gallagher <peter.gallagher@tcd.ie>

Hey,

So the errors for the FWHM/2 are greater than the final fit error from the ellipse EXCEPT for the two initial points in C2. View the lists below to see this (in arcsec), bearing in mind I omit the points where C3 overlaps C2 or I expect we'd see the same thing again. So by including an IF clause in the code we get the attached plots.

Jason.

MAG_ERR HEIGHT_ERR

90.44 609.829

107.1 200.412

84.49 65.5246

60.69 32.9613

122.57 75.3335

224.0 125.276

246.4 57.6105

364.0 93.5368

649.6 182.944

935.2 260.725

442.4 114.644

582.4 117.253

392.0 79.4788

481.6 116.507



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51K

Peter Gallagher <peter.gallagher@tcd.ie>

25 February 2008 16:57

To: Jason Byrne <jbyrne6@gmail.com>

Cc: "R. T. James McAteer" <rtjmca@gmail.com>

OK, these vals look a lot more reasonable.

Peter Gallagher PhD

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