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Jason Byrne <jbyrne6@gmail.com>

Paper

2 messages

David Long <long.daithi@gmail.com> **18 February 2009 19:51**
To: Peter Gallagher <peter.gallagher@tcd.ie>, James McAteer <rtjmca@gmail.com>, Shaun Bloomfield <shaun.bloomfield@tcd.ie>, Jason <jbyrne6@gmail.com>

Hi everybody

Attached a pdf copy of the latest draft of the paper. I've highlighted in red text which refers to the kinematics of the disturbances and provides numbers for the velocity and acceleration obtained previously.

With regards to future work on the paper, I'm going to start tomorrow with re-editing the paper to take account of recent developments.

I'm going to remove all current references to kinematics in the paper (effectively all the data marked in red) and then redesign the kinematics plots to show the distances with different fits (linear and parabolic) and then the velocity data (obtained using deriv) with the fits overlaid. I'm going to add a section discussing the problems that arise from using deriv and numerical differentiation with such small data-sets. I may include a plot of simulated data at this point to reinforce the point. When discussing the different events, I'm going to include the initial velocity predicted from each fit, and also the chi-squared value associated with each fit. In most cases, the fits are quite similar, and including the chi-squared values may be important. I'm going to redo the different graphs from the results section using the velocities predicted by the fits. It will be interesting to see how they change.

Let me know if all of this is ok. I'm not sure how long all of this is going to take but I would hope to have a draft sent around by Friday.

Thanks

Dave

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Jason Byrne <jbyrne6@gmail.com> **18 February 2009 20:11**
To: David Long <long.daithi@gmail.com>

Ur mad for ur chi-squared ;o)

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