Subject: Reducing a set of curves to a mean curve Posted by Bernhard Reinhardt on Mon, 04 Jan 2010 15:59:10 GMT View Forum Message <> Reply to Message

Hi everyone,

I have a set of curves (as x-y-points) which I'd like to reduce to a mean curve and some kind of deviation interval. If the curves would consist of fixed x-values with varying y-values this would be no big deal since I could compute the mean and a deviation measure at every x-value. However it turns out that the x-values are not fixed as well.

My first idea was to use poly_fit but the results don't look like I want them to and it doesn't solve my problem with the deviation interval. Right now I'm thinking of using a fixed x-grid and interpolating the data. But before I reinvent the wheel again I want to ask if someone here has appropriate code in his library. I think this should be a common problem!?

Best regrads!

Bernhard