Subject: curve fitting problem
Posted by Vibor Paravic on Mon, 16 Jun 1997 07:00:00 GMT
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Hi everybody,

Welcome to another week of fun in the sun.

Even though the majority of people around here use IDL, I am a Pv-Wave
guy. Either way here here is my problem.

I have an interesting problem. I have two 1D arrays which contain the
Cartesian coordinate data for a hysterisis curve. This means that the
curve is not a function, ie I have multiple f(x) data for each x. I have
a lot of these that I need to combine to obtain an average curve.

I need to
1. smooth the data
2. obtain a curve fit
3. evaluate the curve fit at discrete x values
4. average all the curves to obtain a general curve

If anybody has ever adressed a similar problem, and found a slolution ,
please share it.

thank you

Vibor Paravic
Institute of Orthopedic Research and Education
vparavic@bcm.tmc.edu