Subject: Curvefit

Posted by zanotti on Wed, 21 May 1997 07:00:00 GMT

Hi,

I use CURVEFIT (on PV-WAVE CL Version 6.05 (sun4 solaris sparc)) to perform non-linear least sqares fitting. It works rather well, but once the fit is performed, the vector of standard deviations for parameters (named Sigmaa) seems to give very large values:
for a given set of data, the error on parameters is ten times greater with Curvefit than, for exemple, with Kaleidagraph.

In fact, Curvefit is based on the Gradient-expansion algorithm, and the way the programm calculates the error (i.e SIGMAA = SQRT(ARRAY(DIAG)/ALPHA(DIAG))) is perharps wrong (something missing ???).

Does anybody has an idea ?

Thanks for help.

J.Marc


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