Subject: surface fit
Posted by buteau on Tue, 08 Nov 1994 09:05:15 GMT
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Has somebody written a function to make two-dimensional fits.
I mean a kind of surface_fit , but not ony for polynomial function.
(I need to fit my surface with a gaussian and lorenz function).

Thanks in advance

Subject: Re: surface fit
Posted by thompson on Tue, 08 Nov 1994 15:24:44 GMT
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buteau@bali.saclay.cea.fr (A.Buteau 62 17) writes:

> Has somebody written a function to make two-dimensional fits.
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One can use ordinary fitting routines for multidimensional fits. Suppose that one had a grid of X,Y points. One can then define an index S over all possible X,Y pairs. For example, if one had a grid of 10 X points by 10 Y points, then S would be an index running from 0 to 99.

One then is not fitting F(X,Y) but F(S). All one needs to do then is to write the definition of the function so that it can then determine X(S) and Y(S). A simple way to do this is through a common block.

Bill Thompson