Subject: How to do surface fit?

Posted by Gang Chen on Tue, 27 Jan 1998 08:00:00 GMT

Hi,

I am trying to fit a surface (probably 2nd degree polynomial: $z=a+b*x+c*y+d*x*x+e*xy+f*y*y$) on a two dimensional grids with IDL. But it seems to me that SFIT and SVDFIT would not serve my purpose: SFIT only generates the values on those grids without giving the coefficients, and it uses different format of polynomial ($z=$ sum of $k\_i,j * x^i * y^j$); While SVDFIT works only for curve fit. Does anybody have any idea on how to do this by simply calling some existing functions instead of writing more complicate code?

Many thanks,
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