
Subject: Fitting a second order polynomial with singular value decomposition

Posted by [JoaoCarr](#) on Fri, 04 Apr 2008 15:51:02 GMT

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Dear all,

I'm trying to fit in IDL a function of the type:

$$y = a_0 + a_1x_1 + a_2x_1^2 + a_3x_2 + a_4x_2^2 + a_5x_3 + a_6x_3^2$$

I've tried to use `svdfit` but I believe this procedure only allows functions of the type $y=f(x)$.

Any suggestion would be greatly appreciated.

Thanks and best wishes,

Joao
