Subject: Re: 3D Curve Fitting
Posted by R.G. Stockwell on Wed, 01 Oct 2008 18:04:25 GMT
View Forum Message <> Reply to Message

"jaz" <jazpearson@gmail.com> wrote in message
news:126f7c59-020d-43f3-823c-777bb5cbc011@y71g2000hsa.google groups.com...
> I'm trying to fit a curve to some points in 3D space (using a
> polynomial such as a quartic to fit), and was wondering if there was
> any IDL procedure or function that allowed you to do this easily?

You can fit a function like 1 + x + y + z +xy + xz + yz + x^2 + y^2 + z^2
with the svd functions, or the cholesky (a bit faster). Those termes
lead to the columns of your "A" matrix - there is nothing special about 3D.

Cheers,
bob