
Subject: how to solve a equation set automatically in IDL?

Posted by [Hu](#) on Thu, 04 Jun 2009 16:29:12 GMT

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Hi, there

I wonder whether there is some automatic method / function in IDL to solve an equation set.

Supposing that I got an equation like: $A*x+B*y+C*z=E*m+F*n$, and I got five sample points $(x_i, y_i, z_i, m_i, n_i)$, $(1 \leq i \leq 5)$. well, I can solve the equation set (including 5 equations) mathematically and got value for parameter A,B,C,D,E.

How can I do it automatically without listing the expressions like $A=f(x,y,z,m,n)$, $B=f(x,y,z,m,n)$, $C=f(x,y,z,m,n)$...?

Thanks
