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Subject: Re: Positive solution for linear equations  
Posted by [David Gell](#) on Mon, 13 Apr 2009 13:51:33 GMT  
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On Apr 12, 6:53 am, erano <eran.o...@gmail.com> wrote:  
> I am trying to find the solution for a series linear equations:  $Ax = B$ ,  
> where A is a n by m matrix and B is a vector .  
> I use the IDL function SVDC but I wish the solution x to be positive  
> vector.  
> How can I do so?  
> Thanks,  
> Eran

Eran,

I assume that you wish each component of vector x is to be positive, so what you have is a linear programming problem. Try using the simplex method. For information on the simplex method, see Press, et.al. "Numerical Recipes".

Dave

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