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Subject: Re: Solve  $AX=B$

Posted by [bstecklu](#) on Sun, 27 Jan 2013 08:22:15 GMT

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Gompie wrote:

> Hi,

> I have a  $A(254 \times 254)$  matrix and  $B(0:254)$ . I want to get the value of  $X$ . However when I give `determ(A)` in idl I get zero. Which perhaps means that  $A$  is singular and its inverse cannot be found.

> I have checked for duplicate rows and columns in  $A$  they have been removed.

> How do I solve this system? Given that

>

> From the problem that I am solving, I know  $A$  can be over determined but not under determined.

> Gompie.

>

Have a look at Singular Value Decomposition (SVD) in the IDL Help. Reading the corresponding section in "Numerical Recipes" is recommended. Free older versions of the book are on-line at <http://www.nr.com/>.

Bringfried

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