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Subject: Re: Does IDL have function for pseudoinverse of a matrix  
Posted by [mmeron](#) on Fri, 12 Dec 2003 22:46:18 GMT

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In article <6568f5ae.0312121425.ce6e8a8@posting.google.com>, julia65201@yahoo.com (Julia Jin) writes:

> As title, since a lot of pattern recognition problems need to  
> calculate the pseudoinverse of a matrix. Thanks,

By "pseudoinverse", do you mean "a matrix serving as an inverse over the regular subspace of the original matrix. Because, if so, then you can easily cobble such using SVDC.

Mati Meron | "When you argue with a fool,  
meron@cars.uchicago.edu | chances are he is doing just the same"

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Subject: Re: Does IDL have function for pseudoinverse of a matrix  
Posted by [the\\_cacc](#) on Sun, 14 Dec 2003 22:47:15 GMT

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julia65201@yahoo.com (Julia Jin) wrote in message  
news:<6568f5ae.0312121425.ce6e8a8@posting.google.com>...

> As title, since a lot of pattern recognition problems need to  
> calculate the pseudoinverse of a matrix. Thanks,

a = randomn(1,10,20)

pinv = invert(transpose(a)##a)##transpose(a)

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