
Subject: Decompose a matrix

Posted by [d.poreh](#) on Wed, 19 Dec 2007 12:15:42 GMT

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Folks

I have a problem could anyone help me?

Let:

A = [[0,0,1], \$
[0,1,0], \$
[0,0,0]]

B = [0.5,0.5,1]

; Decompose A

SVDC, A, W, U, V

; Solve A.X=B

X=SVSOL(U, W, V, B)

new_B=A##X

IDL> print,new_B

0.500000

0.500000

0.000000

Why new_B is not equal to B' ?

Thanks for any help in advance

Cheers

Dave
