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Subject: Re: SVD

Posted by [hto](#) on Wed, 14 Aug 1996 07:00:00 GMT

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Daisei Konno <dxk1280@rit.edu> wrote:

> Hello! I am looking for a SVD that gives a complete orthogonal matrices  
> for a rectangular input matrix. For a (m x n) matrix, E, SVD SHOULD  
> give  
> U: (m x m)  
> S: (m x n)  
> V: (n x n)

> if  $E = U \cdot S \cdot \text{TRANSPOSE}(V)$

> This is implemented in MATLAB; how come not in IDL? Thanks.

I believe that SVDC in version 4.0.1 implements the SVD routine from Numerical Recipes which should provide you what you want (I've never used it but I have used the NRC 2.0 version which has never given me a problem).

Howard Onishi

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