
Subject: Re: singular value decomposition
Posted by [fogel](#) on Thu, 01 Jul 1999 07:00:00 GMT
[View Forum Message](#) <> [Reply to Message](#)

H T Onishi (htonishi@home.com) wrote:

: This is not a complete answer but perhaps adds some insight.

:

: First of all I believe that your U from Matlab is in error. The .46 should
: be -.46.

Doubtful. The SVD is not unique in the sense that
any $U*S*V' = A$, within roundoff of A, is a correct
solution.

One can search the archives of comp.soft-sys.matlab
and find a posting by Cleve Moler (Matlab creator,
linear algebra guru, etc.) stating as much. Try
looking for 'SVD' about two years ago.

[snip...]

HTH.

- David
