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Subject: SVDC in IDL 5.0

Posted by [f055](#) on Wed, 17 Sep 1997 07:00:00 GMT

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A quick question about SVDC:

Most singular value decomposition routines I have used/read about appear to return a diagonal matrix of singular values (or just a list), in which the singular values are in descending order. When I use the IDL routine SVDC,A,W,U,V, the list of values in W is not in such an order (for one example I get W=[0,0.33,0.29E-7,0.12E-7, 0.14E-7,... etc.]).

Am I doing something wrong, or is this just how the IDL routine works? Can I re-order them into descending order by simply sorting them and switching the singular vectors (columns) of U & V in the same way?

Thanks for any help

Tim

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