
Subject: Singular Value Decomposition in 3 Dimensions
Posted by [tomandwilltamu08](#) on Tue, 02 Sep 2008 16:33:36 GMT
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I am wondering how to do Singular Value Decomposition in 3 Dimensions in IDL. All of the canned routines seem to work only on 2D arrays.

Specifically, I am trying to preform Principle Component Analysis on stacks of 2D images.

For example, how can one preform an SVD on a 2048x2048xn array to get 2048x2048 principle components?

Thanks much,
-Will
