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Subject: Algorithm for PCA transform in ENVI

Posted by [eva.ivits-wasser](#) on Tue, 08 May 2012 16:57:53 GMT

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Does anybody know what the algorithm for PCA transform in ENVI is? I've compared the eigenvectors and the spatial patterns of ENVI's PCA transform with IDL's `eigenql`, `svdc` and `la_svd` procedures. The first PC components are the same but from the second component on I have negative values where ENVI give positive values and vice versa. Accordingly, the first element in the diagonal of the eigenvector matrices has the same sign but the rest of the signs are just the opposite comparing results from ENVI and IDL.

Any clues?

Thanks in advance,

Eva

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