

PCA C code contradictions

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I have three separate codes that run PCA. When I run my data through them (or even a small synthetic data set of orthogonal variable vectors) I get three different results.

The different codes are:

1. Accelrys Cerius2 version 4.11
2. <http://astro.u-strasbg.fr/~fmurtagh/mda-sw/>
3. <http://bonsai.ims.u-tokyo.ac.jp/~mdehoon/software/cluster/cluster.pdf>

Can anyone explain why differences exist and more importantly which is the "correct" one?

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