
Subject: Re: Matrix calculus

Posted by [jameskuyper](#) on Thu, 09 Oct 2008 17:51:16 GMT

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Kenneth P. Bowman wrote:

> In article

> <2fa450be-1a5e-4efd-a703-b6bb2e879383@k30g2000hse.googlegroups.com>,

> silviadncl@gmail.com wrote:

>

>> How can i compute eigenvalues and eigenvectors of a complex

>> matrix(hermitian)?

>> Thank you

>

> LA_EIGENQL

The documentation for LA_EIGENQL says that it is for "real nonsymmetric or complex non-Hermitian array A". I don't think that means that it won't work on real symmetric arrays, or complex Hermitian arrays, but it does mean that it wasn't optimized for such arrays.

Take a look at <http://idlastro.gsfc.nasa.gov/idl_html_help/IMSL_EIG.html>, and in particular, the /SYMMETRIC option.
