

Re: Who uses clapack?

Source: <http://sci.tech-archive.net/Archive/sci.math.num-analysis/2004-12/0313.html>

From: Bill Shortall (*pecos_at_cminet.net*)

Date: 12/10/04

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"Victor Eijkhout" <see.sig@for.addy> wrote in message
news:1gol29n.2hz9tynnu0bN%see.sig@for.addy...

> *Bill Shortall* <*pecos@cminet.net*> wrote:

>

>> *For the last few years I have been working on a*

>> *set of C++ classes to do linear algebra. I was trying to*

>> *acheive most of the functionality of Lapack/Blas but*

>> *in a very user friendly fashion. The classes center*

>> *arround a general purpose vector class along with a dense rectangular
Matrix*

>> *class and then some more compilcated classes like a vector of vectors
and*

>> *vector of matrices.*

>

> *Bill,*

>

> *please mail me a pointer to your software.*

>

> *However, without wanting to be disrespectful of your software, I wonder*

> *if this is such a wise approach. Lapack is a high quality code base that*

> *supports several data formats: dense, symmetric, banded, tridiagonal.*

> *There is use for that, so before you can state*

>

>> *Once you've used it*

>> *you will never go back to LAPACK*

>

> *you have to duplicate a lot of that functionality.*

>

> *Then, Lapack has (especially in the eigenvalue part) state of the art*

> *algorithms. The people coming up with the best algorithms are*

> *implementing them straight in Lapack. What eigenvalue algorithms do you*

> *use? Condition estimation, iterative refinement, et cetera.*

>

> V.

> --

> *email: lastname at cs utk edu*

> *homepage: www cs utk edu tilde lastname*

sci.math.num-analysis: Re: Who uses clapack?

Hi Victor,

I need a e-mail address to send you the algebra package
its not on the internet
do you want the microsoft VC6 or the the Linux GCC 2.7
version. The package is about 750 kilobytes. I wonder
how big Lapack/Blas is ?