

Re: Matrix Multiplication

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- *From:* Evgenii Rudnyi <usenet@xxxxxxxx>
 - *Date:* Sat, 5 Jan 2008 04:53:36 -0800 (PST)
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On Jan 5, 11:06 am, b52b <jam...@xxxxx> wrote:

On Jan 5, 8:37 am, Evgenii Rudnyi <use...@xxxxxxxx> wrote:
. I just wonder why Gordon prefers to keep silent when it comes to the code.

This is matter of ethics. Writing an educational text is hard because you should be up to date. That's what Gordon said in my opinion. You can't blame him – it is your article.

Sorry, but I would disagree. My text is completely up to date. The current practice for linear algebra with dense matrices is to use LAPACK (by the way, it is written in Fortran 77) together with the optimized BLAS. From what a programming language to call LAPACK and optimized BLAS does not matter.

Also if you read the conclusion, it says

<http://matrixprogramming.com/MatrixMultiply/>

I hope that this chapter has convinced you that it is very important to use libraries even for seemingly simple things, like matrix multiplication.

I am pretty sure it concerns the newer Fortran as well. There are no miracles, either one uses optimized DGEMM or performance suffers. The use of optimized DGEMM can be behind the scene, as in NumPy, Matlab and Mathematica, this does not matter.

My advice : sent your request to comp.lang.fortran
Otherwise this is another face of the language war.

This what I wanted to escape, as personally I believe that good performance can be achieved in any programming language provided that one understands the technology.

Re: Matrix Multiplication

My text is more about technology, not about a programming language.

Evgenii

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