

# Re: complexity of numerical software

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- *From:* Jaap Spies <j.spies@xxxxxxxx>
  - *Date:* Fri, 09 Dec 2005 21:18:58 +0100
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Jean-Claude Arbaut wrote:

Jaap Spies wrote:

Jean-Claude Arbaut wrote:

Yes. We have the same question!

Okay. I thought we were talking about code like SLATEC, NSWC, CMLIB, etc. They have (almost) nothing to do with algorithms to find subsets, which I would classify with discrete or combinatorics algorithms.

We were discussing the cost of a writing a system (a new CAS), not writing new "standard" libraries. In the "new" system there will be numerical programs using the well tested basic libraries. You have to see my remarks in this light!

When I write `sqrt(2)` in a CAS, or writing code that uses `sqrt()` I do not want to be bothered by the gory details of the underlying "low-level" libraries.

This explains my statement

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