

# Re: gains from vectorization

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*Source:* <http://coding.derkeiler.com/Archive/Fortran/comp.lang.fortran/2005-06/msg00190.html>

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- *From:* "Joost" <jv244@xxxxxxxx>
  - *Date:* 7 Jun 2005 11:15:04 -0700
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Hi,

vectorization certainly won't help any kind of code, so it is important to understand what part of the code is consuming most CPU time. (compile the code with `-pg`, run it, and examine the output of `gprof executable_name gmon.out`).

If this indicates some vectorizable loops are consuming most time, `-ftree-vectorize` might do something (but in most of the cases less than you might hope for).

All this assumes that you're using some other kind of optimisation already (`-O3 -march=XXX -ffast-math ...`), and that your code is already 'well' written.

Notice that some commercial compiler can be quite a bit faster than `g95` (also quite a bit more expensive ;-).

Joost

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Re: gains from vectorization

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