

# speed up calculation suggestions

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I am an actuary and not a system professional and so please bear with me. We use Fortran for some of our calculations and are being hampered by long calculation times. There is nothing fancy in the code... I process many millions of records from text files through some fairly simple calculations, and write out the results. I want to speed up this process, but am really not sure where to devote my efforts. I have a new (dual core) windows XP machine with F95 compiled by absoft. (I think version 7.5). I do not have much system support and not too much time for experimentation, but am willing to tinker a little. I am interested in other's thoughts.

Options:

1. Optimize my code: I am not sure what this means... It is pretty stripped down now.
- 2 Get an updated compiler (any suggestions?)
- 3 Switch to Linux
4. Vectorize my code and use multiple processors (not sure how hard this is).
5. Upgrade my computer (are some CPU's better at computation than others?)
6. Other suggestions?

Of course, I do several of things, but really want help deciding what will give me the biggest improvement for the least effort.

Thanks, Rick