McGill Computational Science and Engineering Seminar

Friday March 30th at 14:00 in Burnside Hall room 1205

The Impact Of Computer Architecture On Linear Algebra Algorithms

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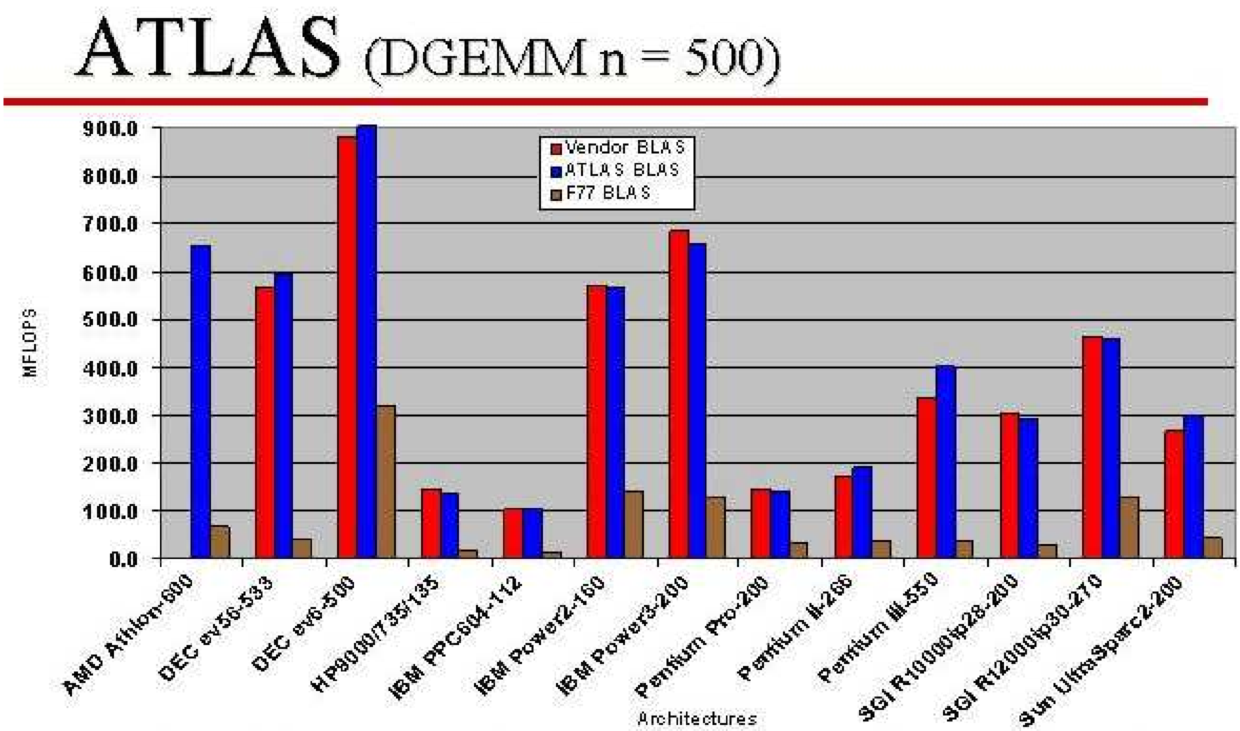
In this talk we will examine some of the changes that have been brought about by modern computer architectures. We will look at the impact of super-scalar RISC processors and the ability of achieving high performance. The talk will focus on three themes:

- Automatically tuned linear algebra software
- Recursive algorithms for dense and sparse direct methods
- Tools for evaluating the performance on modern machines



Atlas is faster than all other portable BLAS implementations and it is comparable with machine-specific libraries provided by the vendor

Coffee and desserts are served after the seminar at 15:00 in the lounge, Burnside Hall 1024