



The NAG Library and HPC
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NAG has been developing numerical software since 1970 and the NAG Library currently contains over 1200 algorithms for solving complex problems in numerical analysis and statistics. Currently over 10,000 users worldwide are using the Library to solve problems in a wide variety of scientific disciplines. For the last eighteen months NAG has been working with AMD to develop the AMD Core Math Library (ACML), a suite of highly tuned routines for the Opteron and Athlon processors.

In this talk we will describe the upcoming release of the NAG SMP Library, which is designed to deliver a high degree of efficiency on SMP machines without compromising accuracy or robustness. We will also describe the work done to date on ACML and show how these two libraries can be used together to maximize performance.