



## Absoft Advances Fortran Performance on AMD Processors

**Rochester Hills, MI., June 2, 2009** – Absoft (R) Corporation today announced further advancements in Fortran performance on AMD based systems with Absoft's recently released service pack 10.2.1. A recent, independent comparison of Fortran compilers from 10 different vendors, 16 different benchmarks, on Windows and Linux systems, conclusively demonstrated that Absoft Pro Fortran v10.2 with service pack 10.2.1, generated the fastest executing Fortran programs on AMD Athlon™ X2 processor-based Windows systems, and the fastest executing Fortran programs on AMD Athlon™ X2 processor-based Linux systems. Testing on Mac OS was not performed, but Absoft states the same v10.2.1 compilers are available for Apple's latest multi-core systems. Prices for Absoft Pro Fortran start at \$299.

The testing was conducted by Polyhedron Software Ltd., UK., a Fortran consultancy and software provider, and utilized the well known Polyhedron 2009 benchmark suite. In the benchmarking process, each compiler is required to run with a single set of options for 16 different tests and each test is run a minimum of 10 times. No tuning or option changing for individual programs is permitted.

To ensure consistency, all tests were run using a benchmark harness on the same hardware. Compilers tested were generally available, current production releases. The individual tests were developed and collected over several years to aggressively stress the compilers in different real world situations. Compilers tested included: Absoft, ftn95, g95, gfortran, Intel, Lahey, Nag, Sun, Pathscale and pgi. The Absoft Fortran code was on average 6% to 70% faster on Windows and 4% to 68% faster on Linux, than the Fortran code generated by the other vendors.

"Absoft has a history of performance leadership and we work closely with AMD to ensure maximum performance on its latest multi-core processors," said Wood Lotz, president of Absoft. "Needless to say, we were very pleased to be the #1 performance leader on both Windows and Linux, the only two platforms tested. Current Pro Fortran v10.2 customers can obtain this same performance by downloading the 10.2.1 service pack, free from the Absoft website," continued Lotz. Absoft Pro Fortran v10.2 customers can download the service pack from <http://www.absoft.com/download/downloads.html>.

"Absoft has been a valued AMD technology partner for several years. This benchmark suite demonstrates the effectiveness of this relationship, as Absoft's advanced optimizers have leveraged the performance potential of AMD Athlon X2 processors with great results. Clearly, the Absoft compilers are very robust and, combined with superior AMD processors,

are an excellent choice for building applications for a variety of computing environments, “ said Mike Moore, director, software development engineering, AMD.

Complete Polyhedron 2009 Fortran Benchmark comparison results are at:

[http://www.absoft.com/resellertools/Polyhedron\\_02\\_2009\\_Results.pdf](http://www.absoft.com/resellertools/Polyhedron_02_2009_Results.pdf)

Product information on Absoft high performance compilers is available at:

<http://www.absoft.com/Absoft%20Compilers.htm>

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### **About Absoft Corporation**

Absoft Corporation is a leading provider of Fortran and C/C++ compilers, debuggers, IDEs and other software development tools for Windows, Linux and Mac systems.

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