



Pro Fortran 2013

Faster Code - Easier to Use - More Complete - Better Support

Free World Class Technical Assistance Includes LIVE Tech Support via Phone!

Absoft Pro Fortran - A Complete Fortran Solution

Free 3rd Party Plug-Ins

Fortran Compiler Suite	IDE/GUI Fortran/C Tools	SMP Vector Graphical Analyzer	HPC Numerical Libraries	Graphics 2D/3D HDF
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GPU nVidia CUDA Libraries	C/C++ Windows Mac Linux
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F2008 extensions, AVX, OpenMP, auto parallel and vectorization features generate industry leading performance on both AMD and Intel based systems. The Absoft GUI/IDE for Fortran/C includes Fx3 graphical debugger, SMP/Vector tools, AWE, HPC numerical libraries plus graphics which simplify application development and data display.

Absoft Pro Fortran includes cpu specific optimizers for both AMD & Intel processors. The Polyhedron Fortran Benchmark Suite results below demonstrate Absoft Pro Fortran's auto-parallel code runs **18% FASTER than Intel's** auto-parallel code on AMD.

Polyhedron Fortran Benchmark Suite* - Shorter is Faster

Absoft Pro Fortran Auto-Parallel runs 18% FASTER than Intel on AMD

Absoft 2013	With Auto-Parallelization	34.64 sec
Intel 2013	With Auto-Parallelization	42.22 sec

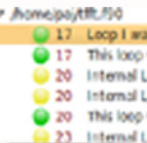
Tests run by Absoft on AMD/Piledriver/Linux using Polyhedron recommended options - See Reverse for details.

Absoft IDE/GUI - Build Your Fortran/C Applications Faster



Intuitive, graphical environment means faster build, optimize, analyze, and debug cycles for threaded applications. OpenMP and MPI control features included. Same look, feel and functionality on Windows, Mac OS and Linux.

Graphical SMP & Vector Analyzer - Visual Tuning in Real Time



Performance tuning using visual feedback and context specific advice on loop parallelization and vector optimizations. Visual feedback at compile time, not runtime, speeds development.

Absoft HPC Scientific Engineering Numerical Library



Speed application development using pre-built, highly optimized, well tested industry standard core routines, threaded and vectorized math functions and FFTs designed for workstation and cluster environments. Royalty free.

Absoft Visualization Libraries - 2D/3D and HDF4 & HDF5



Easily display your scientific data using a wide variety of 2D/3D full-color display formats and extended character sets. HDF, developed by NCSA for very large data sets includes Fortran and C calling interfaces and is a standard used world-wide.



Native C/C++ Compilers Compatible With Absoft Pro Fortran:

- *Microsoft C/C++ Microsoft SDK - Free
- *gnc and Tool Chain for Linux - Free
- *Objective C and Tool Chain for Mac - Free

GPU - CUDA:

- *nVidia Libraries - Free
- *HMPP - Paid Option

Cluster - MPI:

- *MPICH2 - Free
- *OpenMPI - Free
- *Fortran Rolls - Free

Numerical Libraries:

- *IMSL - Paid Option
- *NAG - Paid Option