

Latest Enhancements to the Spiral FFT Tool: Industry-Strength FFT Software and More

SpiralGen, Inc.

In this demo we will show the installable and cloud-based versions of the Spiral FFT tool supported by SpiralGen, Inc. The tool takes a high-level description of FFT problems and automatically produces highly optimized FFT implementations that take advantage of the latest hardware extensions like Intel's SSE/AVX instruction set or the Xeon Phi. The SpiralGen-supported tool is based on 10+ years of research at Carnegie Mellon University. SpiralGen licensed the Spiral technology in 2009 and announced the availability of a commercial and academic license for the installable FFT tool at HPEC 2014. In this demo we will also give a preview of the cloud-based High Assurance Spiral tool that is currently under development in the DARPA HACMS program and will eventually become available for defense contractors and academics.

