THIRD WAVE SYSTEMS

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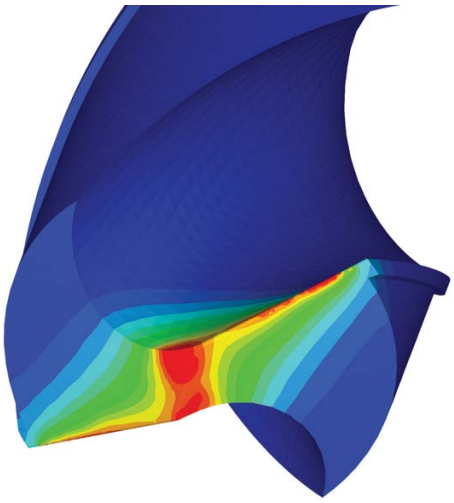
FOR IMMEDIATE RELEASE

Third Wave AdvantEdge 6.0 to be Released November 2012

MINNEAPOLIS, MN. (29 October 2012) – Machining modeling solutions provider Third Wave Systems will release version 6.0 of its finite element analysis product, Third Wave AdvantEdge, in November of 2012. Third Wave AdvantEdge is physics-based material modeling technology used by companies that machine metal to optimize their cutting processes and machining strategies, providing detailed information about chip formation, temperatures, stresses, forces, and other material behavior not accessible during trial-and-error tests. The technology has become an invaluable tool for analyzing cutting tool design and performance.

Recognizing the increasing presence of high performance computing hardware, Third Wave focused significant efforts for this release on improving AdvantEdge parallel computing capabilities. AdvantEdge version 6.0 will contain enhanced algorithms that enable the software to more effectively utilize computing cores for significant computing speedups compared to version 5.9. With the release of Third Wave AdvantEdge 6.0, users will also have the opportunity to employ massively parallel computing, designating up to 40 computing cores for any given project. Benchmark testing at Third Wave has demonstrated speedups of between 10 and 20x for milling and drilling, respectively, when comparing serial mode to 40-core computing.



Solid drilling simulations can run up to 20x faster in Third Wave AdvantEdge version 6.0 as a result of new massively parallel computing capabilities.

In addition to massively parallel computing capabilities, Third Wave AdvantEdge 6.0 will also contain enhanced material model options for 2D modeling. This new mechanism will enable more accurate characterization of flow stress behavior by allowing users to capture not only isotropic hardening components (currently available within the user-defined yield stress model), but also kinematic hardening components of reverse loading. The user-defined material model enhancement will be especially useful for companies interested in capturing detailed characteristics of workpiece surfaces, and allow users to model more complex deformation modes that could be influential when predicting residual stress. The introduction of kinematic hardening into custom material models is one more step toward giving users the opportunity to create their own comprehensive material models for more accurate results. To

(more)

learn more about creating material models within Third Wave AdvantEdge, contact the Third Wave Systems support team by email at support@thirdwavesys.com or by phone at +1-952-832-5515.

ABOUT THIRD WAVE SYSTEMS, INC. Third Wave Systems (www.thirdwavesys.com) is a premier machining computer-aided engineering (CAE) provider. Its modeling products and services are used by progressive companies to dramatically reduce costs of machined components, accelerate design cycles, improve part quality, and get to market faster. This validated material modeling technology gives engineers access to more information than trial-and-error tests, allowing them to make better decisions. Third Wave is headquartered in Minneapolis (USA) with a remote office in Detroit (USA) and distributors throughout Europe and Asia.

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