

Ensemble propagation for efficient uncertainty quantification on emerging architectures: Application to thermomechanical contact

K. Liegeois, R. Boman, Ph. Mertens, A. Panin, E. T. Phipps, M. Arnst

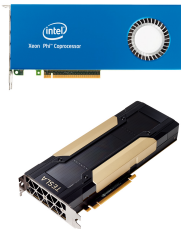
Clusters



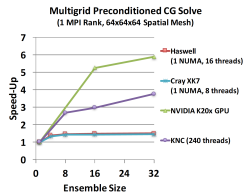
Software-component library



Emerging architectures



Ensemble propagation

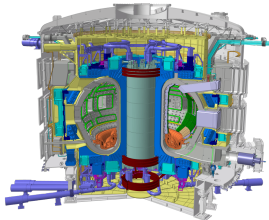


E. T. Phipps

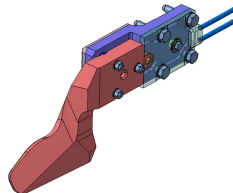
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ITER



First mirror of ITER spectroscope



Study and extend the ensemble propagation:

- ▶ with multiphysics models,
- ▶ with thermomechanical contact nonlinearities.