Resch / Bez / Focht

Sustained Simulation Performance 2013

Proceedings of the joint Workshop on Sustained Simulation Performance, University of Stuttgart (HLRS) and Tohoku University, 2013

This book presents the state of the art in high-performance computing and simulation on modern supercomputer architectures. It covers trends in hardware and software development in general and specifically the future of high-performance systems and heterogeneous architectures. The application contributions cover computational fluid dynamics, material science, medical applications and climate research. Innovative fields like coupled multi-physics or multi-scale simulations are presented. All papers were chosen from presentations given at the 16th Workshop on Sustained Simulation Performance held in December 2012 at HLRS, University of Stuttgart, Germany and the 17th Workshop on Sustained Simulation Performance at Tohoku University in March 2013.

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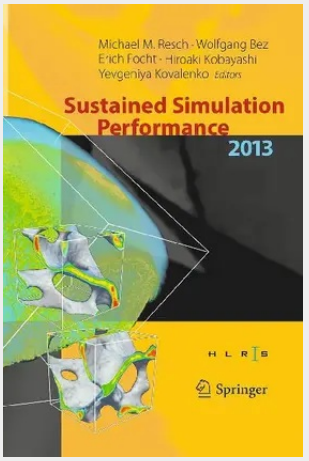

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