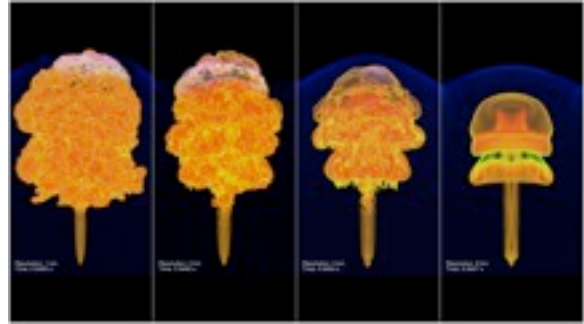


SciDAC 2010 Visualization Night Winners

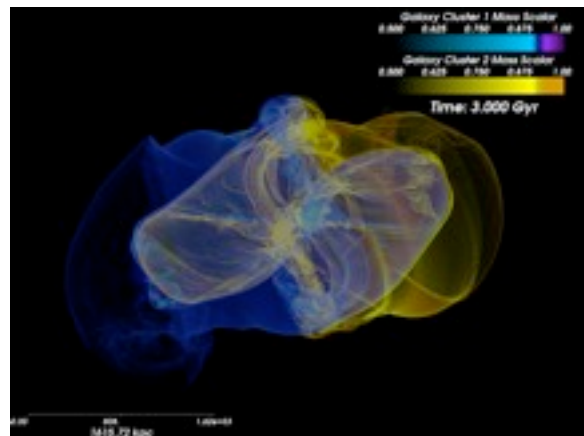
#1: Verification Study of Buoyancy-Driven Turbulent Nuclear Combustion for Three Different Physical Situations

By: Ray Bair (ANL), Anshu Dubey (Flash Center, UofC), Robert Fisher (U Mass-Dartmouth), Jonathan Gallagher (Flash Center, UofC), Randy Hudson (ANL and Flash Center, UofC), Don Lamb (Flash Center, UofC), Dongwook Lee (Flash Center UofC), John Norris (ANL and Flash Center, UofC), Mike Papka (ANL and Flash Center, UofC), Katherine Riley (ANL), and Dean Townsley (U Alabama)



#2: Binary Galaxy Cluster Merger, Simulated using the Flash Code, Mass Ratio 1:1, with an Offset Impact, 4 different views

By: John Zuhone (Harvard-Smithsonian Center for Astrophysics), Don Lamb (Flash Center, UoC)



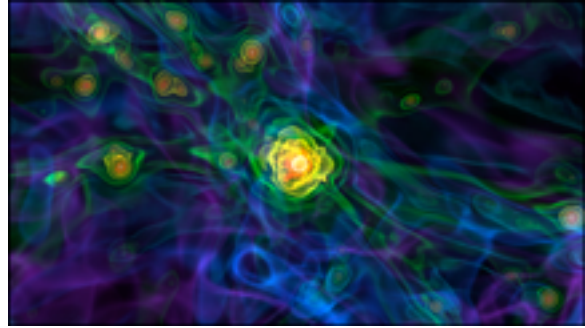
Tied for #3: Visualization of Convective Flow with Integral Surfaces

By Christoph Garth, Hari Krishnan, Kenneth I. Joy (Institute for Data Analysis and Visualization, University of California, Davis)



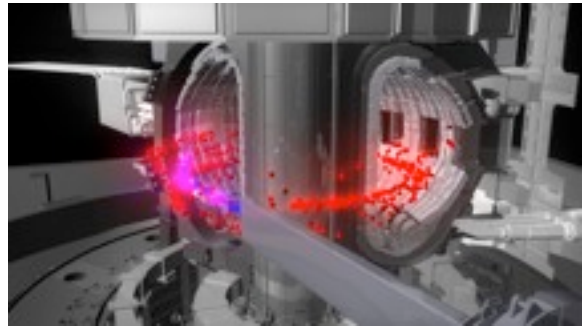
Tied for #3: Evolution of a Galaxy Cluster in Adaptive Mesh Refinement Cosmological Simulations

By: Samuel W. Skillman (DOE Computational Graduate Fellow, Center for Astrophysics and Space Astronomy, University of Colorado at Boulder), Brian W. O'Shea (Department of Physics and Astronomy, Michigan State University), Matthew J. Turk (Center for Astrophysics and Space Sciences, University of California, San Diego)



#5: Clean Energy for the Future with the ITER Reactor

By: Jamison Daniel (ORNL), David Pugmire (ORNL), Michael Matheson (ORNL), Sean Ahern (ORNL)



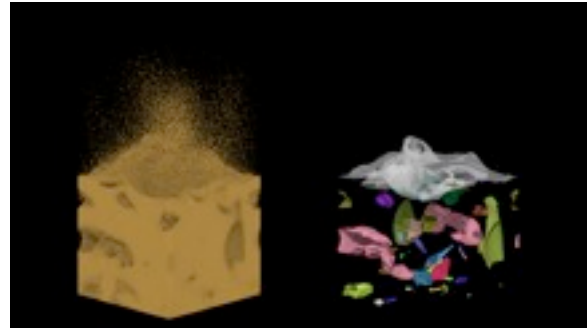
Tied for #6: Type Ia Supernova: Turbulent Combustion on the Grandest Scale

By: Hank Childs (LBNL), Haitao Ma (UCSC), Stan Woosley (UCSC), John Bell (LBNL), Ann Almgren (LBNL), Andy Nonaka (LBNL)



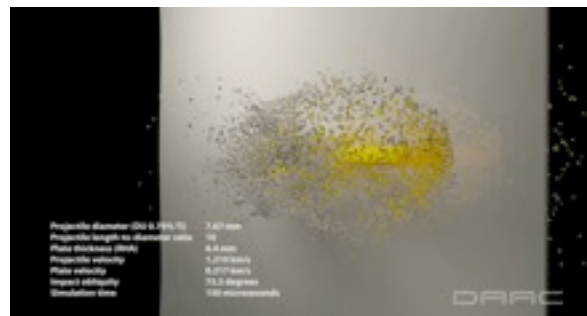
Tied for #6: Particle Dynamics in a Fluidized Bed Reactor

By: Kenny Gruchalla (NREL), Perrine Pepiot (NREL), Olivier Desjardins (University of Colorado at Boulder)



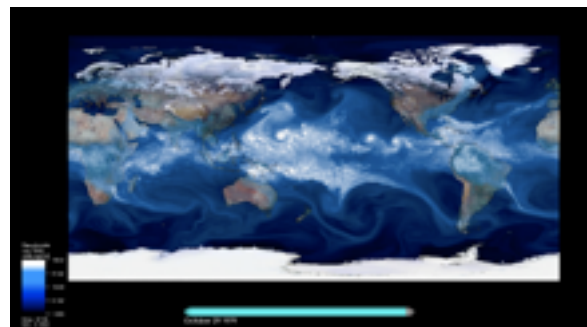
Tied for #8: Hybrid Particle Finite Element Simulation of Impact, Perforation, and Fragmentation

By: Randall Hand (DOD HPCMP DAAC), Miguel Valenciano (HPCMP DAAC), Eric Fahrenthold (University of Texas Austin), Kwon Joong Son (University of Texas Austin)



Tied for #8: Hurricane Season

By: Prabhat (LBL), Michael Wehner (LBL), Wes Bethel (LBL)



#10: Electromagnetic Wake in an Energy Recovery Linac Vacuum Chamber with Moving Simulation Window

By: Greg Schussman (SLAC National Accelerator Laboratory), Rich Lee (SLAC), Liling Xiao (SLAC), Cho-Kuen Ng (SLAC), Ken Moreland (Sandia National Laboratory)

