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SDAV Progress Report

Sandia National Laboratories

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June 28, 2016

Not Approved for Unlimited Release (yet)



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VTK-m Update

- Release of VTK-m Version 1.0.0.
 - http://m.vtk.org/index.php/VTK-m_Releases
- Enable EGL rendering (Dave Pugmire)
- Optimization of templates for marching cubes (Rob Maynard)
- Update build configure for external projects
- Simplification of rendering classes
- Text annotation in rendering (Jeremy Meredith)
- Support assume compiler extensions (Rob Maynard)
- Misc. Visual Studio Fixes
- Radix sort optimization for key/value pairs (Matt Larsen)
- Add Range and Bounds helpers

Other Activities

- Paper: “VTK-m: Accelerating the Visualization Toolkit for Massively Threaded Architectures,” IEEE CG&A
- Paper: “In Situ Methods, Infrastructures, and Applications on High Performance Computing Platforms,” EuroVis STAR 2016 (to appear)
- Program Co-Chair: LDAV 2016
- Planning a VTK-m code sprint this summer
 - August 2-3 @ Clifton Park, NY