Enhanced scientific communication and collaboration

ParaView + RTX + Omniverse

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● Open-source, scalable, multi-platform visualization application
  ○ Support for distributed computation models to process large data sets
  ○ Open, flexible, and intuitive user interface
● Extensible, modular architecture based on open standards
  ○ Flexible BSD 3 Clause license
  ○ Commercial maintenance and support
ParaView
ParaView

Niklas Röber @ DKRZ
Feature Discovery
Easy to use
In [2]: from ipyparaview.widgets import PVDdisplay
   PVDdisplay(renderView1)
ParaView IndeX Plugin
Scalable Volume Rendering
Multi-GPU, Multi-Node
Structured/Unstructured vol support
Image enhancement filters
Download from ParaView.org

Download

Get the Software

You can either download binaries or source code archives for the latest stable or previous release or access the current development (aka nightly) distribution through Git. Specific license information can be found here. This software may not be exported in violation of any U.S. export laws or regulations. For more information regarding Export Control matters please go to https://kitware.com/export_control/index.html.

Version 5.6.0

ParaView

- ParaView 5.6.0-OSX10.8-64bit.unsigned.dmg
  - Mar 5 13:28
  - 153.6M
- ParaView 5.6.0-OSX10.8-64bit.pkg
  - Mar 5 13:28
  - 155.0M
- ParaView 5.6.0-OSX10.8-64bit.dmg
  - Mar 5 13:27
  - 155.5M

Documentation

- ParaViewTutorial-5.6.0.pdf
  - Dec 6 12:41
  - 46.1M
- ParaViewGuide-5.6.0.pdf
  - Jan 21 10:39
  - 49.3M
- ParaViewGettingStarted-5.6.0.pdf
  - Nov 6 13:43
  - 1.6M
- ParaViewCatalystGuide-5.6.0.pdf
  - Nov 6 13:42
  - 1.4M
- NVIDIA-India-ParaView-Plugin-Users-Guide-5.6.pdf
  - Mar 6 08:36
  - 5.6M
NGC ParaView Docker

ParaView OptiX
ParaView is one of the most popular visualization software for analyzing HPC datasets. NVIDIA OptiX delivers ray tracing capabilities with the ParaView-Optix cont...

ParaView
ParaView is one of the most popular visualization software for analyzing HPC datasets.

glx-5.6.0rc3
built by NVIDIA 10/18/19

ParaView Index
ParaView is one of the most popular visualization software for analyzing HPC datasets. NVIDIA Index delivers real-time, interactive visualization of large volumetr...

5.6.0-egl-pw
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ParaView Holodeck
Enables graphically rich scientific visualizations; bridging between ParaView and high-end rendering engines such as NVIDIA Holodeck.

glx-17.11.13-beta
built by NVIDIA 10/18/19

Arm containers coming soon
Omniverse - Open 3D Collaborative Platform

- Cross-domain collaboration
- Distributed teams
- Tool proliferation
- Fast paced technology

- Omniverse
- Hub for real-time collaboration and data exchange

NVIDIA
Augmented Visualization

Experimental ParaView support, talk to us!
Augmented Visualization

Rigid body dynamics
Collisions
Constraints
Fluids/Smoke