

ASCL Code Record

[[ascl:1010.073](#)] [partiview: Immersive 4D Interactive Visualization of Large-Scale Simulations](#)

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In dense clusters a bewildering variety of interactions between stars can be observed, ranging from simple encounters to collisions and other mass-transfer encounters. With faster and special-purpose computers like GRAPE, the amount of data per simulation is now exceeding 1TB. Visualization of such data has now become a complex 4D data-mining problem, combining space and time, and finding interesting events in these large datasets. We have recently starting using the virtual reality simulator, installed in the Hayden Planetarium in the American Museum for Natural History, to tackle some of these problem. partiview is a program that enables you to visualize and animate particle data. partiview runs on relatively simple desktops and laptops, but is mostly compatible with its big brother VirDir.

Site: <http://carma.astro.umd.edu/nemo/amnh/>

Ref: <http://arxiv.org/abs/astro-ph/0101334>

Bibcode: [2010ascl.soft10073T](#)

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