Adaptively Sampled Particle Fluids

RRID:SCR_000083
Type: Tool

Proper Citation

Adaptively Sampled Particle Fluids (RRID:SCR_000083)

Resource Information

URL: https://simtk.org/home/aspf

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Description: Scalable particle fluid simulation code for Lagrangian particle-based fluid simulation. This adaptive sampling strategy allows using smaller (and thus more) particles in geometrically complex regions, while less particles are used for thick flat fluid volumes. Additionally, a novel distance-based particle surface definition is implemented which hides the particle granularity and allows dynamic resampling near the fluid-air interface. The code is implemented in C++ and should compile on Linux.

Abbreviations: ASPF

Resource Type: simulation software, source code, software resource, software application

Keywords: fluid simulation, lagrangian particle fluid, linux

Availability: MIT License

Resource Name: Adaptively Sampled Particle Fluids

Resource ID: SCR_000083

Alternate IDs: nif-0000-23328

Ratings and Alerts

No rating or validation information has been found for Adaptively Sampled Particle Fluids.
No alerts have been found for Adaptively Sampled Particle Fluids.

### Data and Source Information

**Source:** [SciCrunch Registry](https://scicrunch.org)

### Usage and Citation Metrics

We have not found any literature mentions for this resource.