

Resource Summary Report

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

Keywords: fluid simulation, lagrangian particle fluid, linux

Availability: Free, Available for download, Freely available

Resource Name: Adaptively Sampled Particle Fluids

Resource ID: SCR_000083

Alternate IDs: nif-0000-23328

License: MIT License

Record Creation Time: 20220129T080159+0000

Record Last Update: 20260728T043052+0000

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](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.