Fluid and Granular Simulation Software Optimized for GPU Computing

Particleworks™
Particle-based simulation software for CAE

Particleworks is a Japan-born fluid simulation software used to simulate the behavior of fluids, such as water and oil flow. It's widely adopted across industries, including automobiles, machinery, materials, chemicals, electronics, food, consumer goods, medicine, civil engineering, disaster prevention, energy, and dual-use applications. GPU computing delivers supercomputer-level speed.
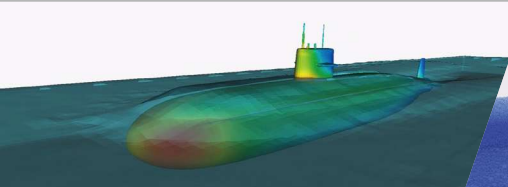
APPLICATIONS
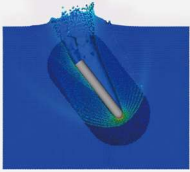
Air launched AUV upon water entry
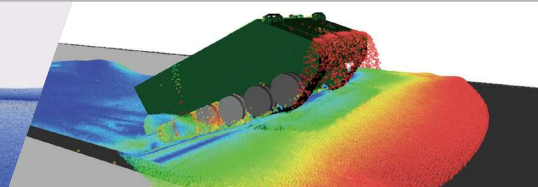
Airflow around a hovering helicopter

Ocean Wave Simulation

Submarine surfacing

Battleship sailing

Tank driving

Granuleworks™
Advanced Simulator for Granular Materials

Granuleworks is a powder/granular simulation software based on the Discrete Element Method (DEM). It enables easy simulation of granular behaviors such as mixing, conveying, and filling. Co-simulation with Particleworks can also simulate complex phenomena like concrete flow. GPU computing ensures high-speed performance.
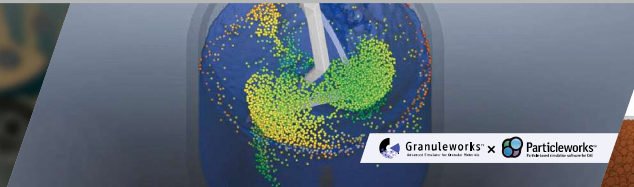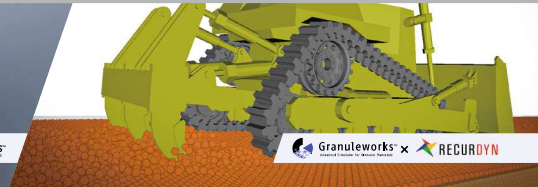
APPLICATIONS

Ribbon mixer

Screw feeder

Aggregate concrete flow simulation

Powder mixing simulation

Fluid-granular simulation

Soil driving simulation

Accelerating Defense Innovation with High-Precision Simulation

Feel free to contact us for more information

Prometech Software, Inc.
8F, Hongo Daiichi Building, 3-34-3 Hongo, Bunkyo-ku, Tokyo

CONTACT

TEL 03-5842-4576

MAIL kaidai@prometech.co.jp

PROMETECH.