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## A combined method for calculating the trajectories of suspended particles

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### Abstract

© 2016, Allerton Press, Inc. A combined method for calculating the trajectories of suspended particles in the hydrodynamic velocity fields is proposed. The method utilizes capabilities of existing CFD codes and parallel computing on a computer with a graphics card that supports CUDA technology. The software package that implements the method is described.

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### Keywords

CUDA technology, parallel computing, suspended particles