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A Pseudo Point Source Model Based on Velocity Coupled Method for Dilute Particle-Laden Flow with Dissipation Scale Particles

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Highlights

- A pseudo point source model is proposed to take the finite size effect of dissipation scale particles in to consideration;
- The pseudo point source model behaves better than the conventional point source model in predicting the particle-free settling process;
- The pseudo point source model can obtain more reasonable results than the conventional point source model when simulating the particle-laden channel turbulence.

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