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A Time-Dependent Eulerian Model of Droplet Diffusion in Turbulent Flow

S.D. Ryan, A.G. Gerber, A.G.L. Holloway

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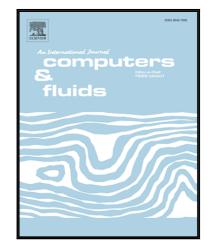
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Highlights

- A new turbulent diffusion coefficient model is developed.
- The model is appropriate for, but not limited to, aerial spray modeling.
- The model accounts for inertial and time-limit effects ignored by existing models.
- The model is validated against experimental wind tunnel measurements.

Chillip Martin

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