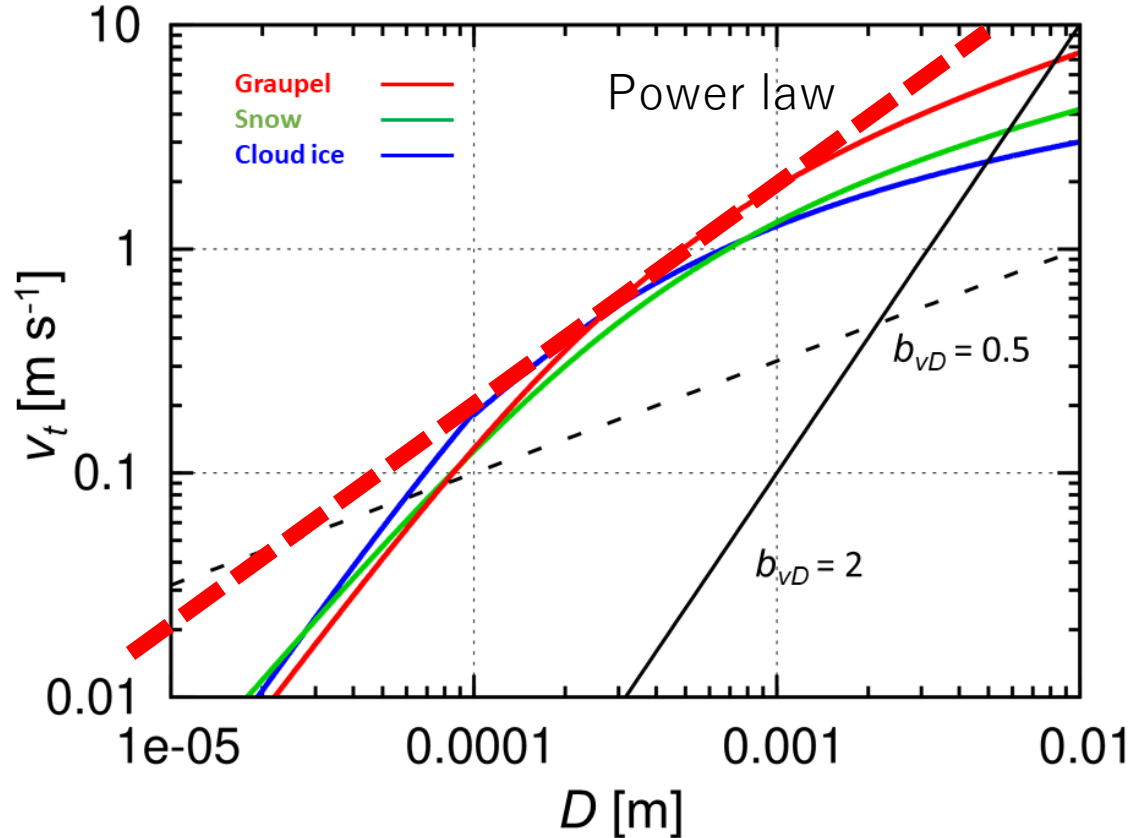


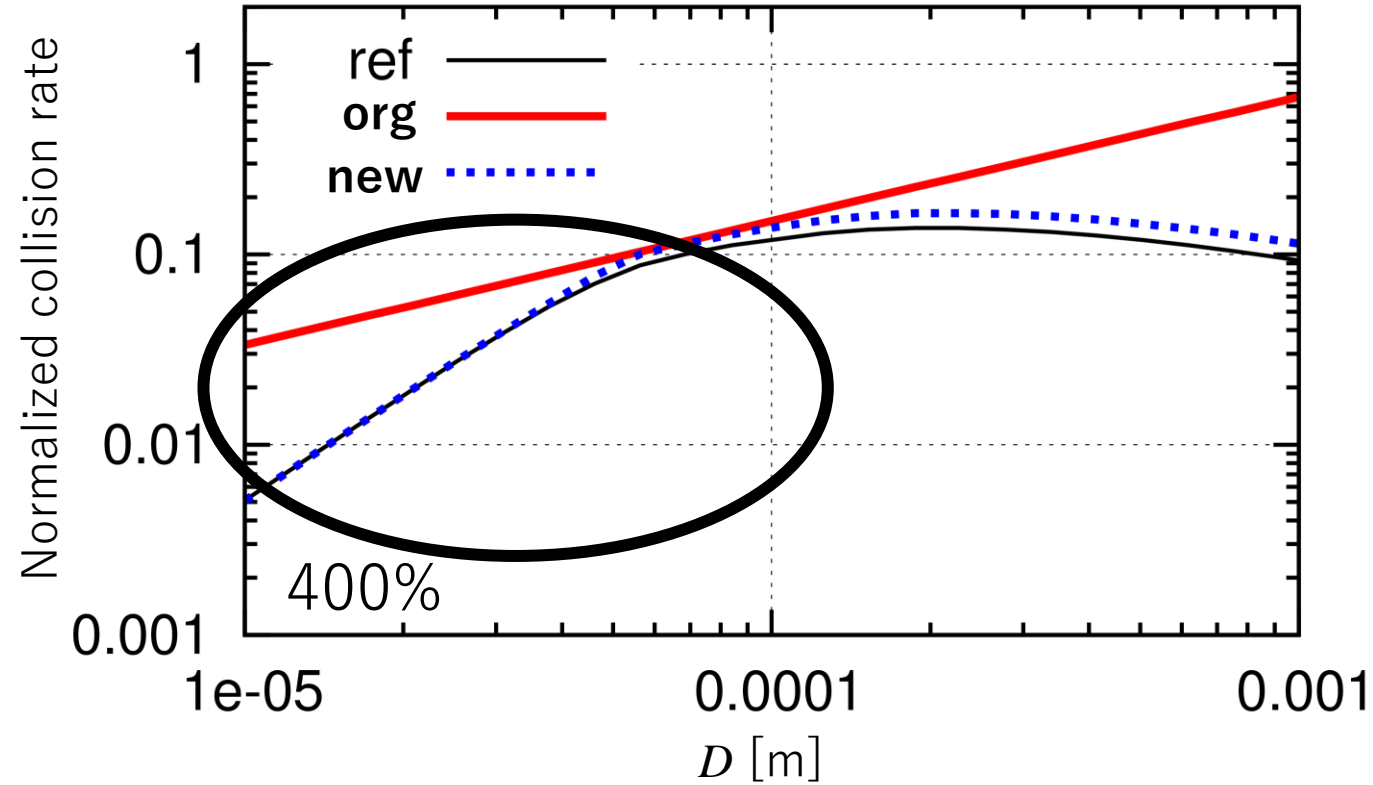
Issues: errors originate from terminal velocity

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Simplified Terminal Velocity : $v = aD^b$



Auto-Conversion (ice-ice → snow)



Issues

- a and b are given as a global constant.
- a and b are derived by fitting in narrow size ranges.

$$\left(\frac{\partial N_x}{\partial t}\right)_{xy} \sim - \sum_i \sum_j f_x(x_i) f_y(y_j) E_{xy} \frac{\pi}{4} (D_{x,i} + D_{y,j})^2 |v_{x,i} - v_{y,j}|$$