

ERRATUM

Erratum to: Dynamics and curl ratio of a curling stone

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In the original version, the title and unit in Figs. 3, 4, 9, 12 and 14 have been incorrectly published as X_m and Y_m . The correct titles are X and Y , and the unit is m, as shown in the correct figures below.

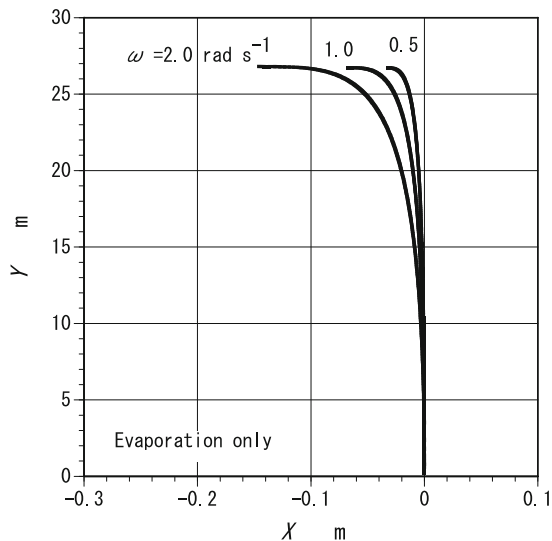


Fig. 3 Trajectories of a stone (evaporation mechanism). Initial translational velocity, 2.0 m s^{-1} , number density of ice pebbles, $5 \times 10^4 \text{ m}^{-2}$ and ice friction coefficient, Eq. 1 with $\mu_{00} = 0.008 \text{ m}^{1/2} \text{ s}^{-1/2}$

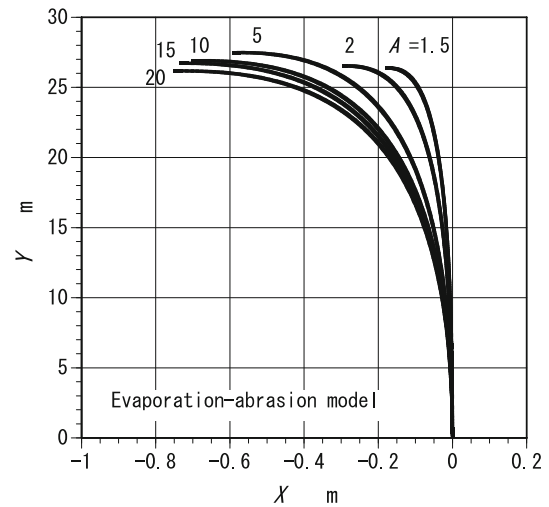


Fig. 4 Trajectories of a stone (evaporation-abrasion model). Initial translational velocity 2.0 m s^{-1} , angular velocity 1.5 rad s^{-1} , number density of ice pebbles $5 \times 10^4 \text{ m}^{-2}$ and ice friction coefficient $\mu_{00} = 0.007, 0.0058, 0.0028, 0.00156, 0.00108$ and $0.00084 \text{ m}^{1/2} \text{ s}^{-1/2}$ in Eq. 1 for $A = 1.5, 2, 5, 10, 15$ and 20 respectively

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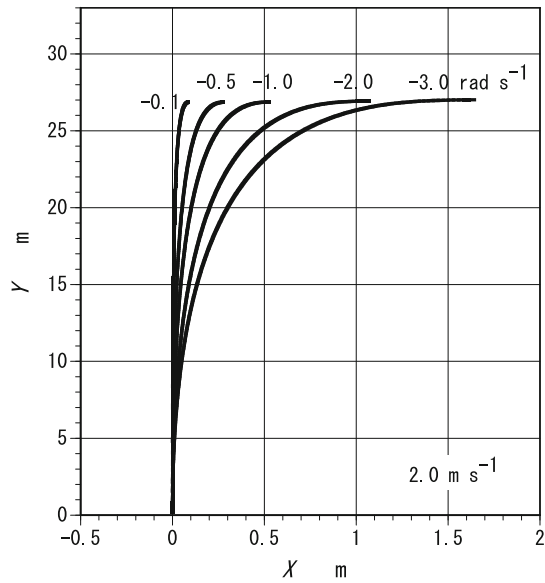


Fig. 9 Trajectories at different angular velocities. Number density of ice pebbles $5 \times 10^4 \text{ m}^{-2}$, ice friction coefficient $\mu_{00} = 0.00156 \text{ m}^{1/2} \text{ s}^{-1/2}$ in Eq. 1, and $A = 10$. Initial translational velocity 2.0 m s^{-1}

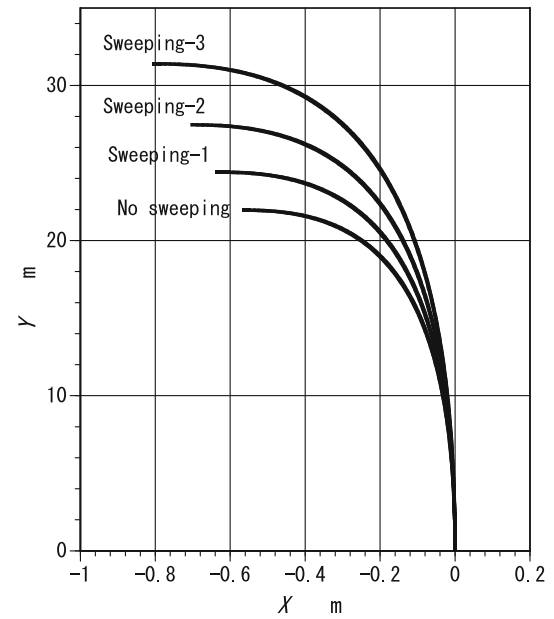


Fig. 14 Effect of sweeping on trajectory. Initial translational velocity 2.0 m s^{-1} , and other parameters are the same as in Fig. 13

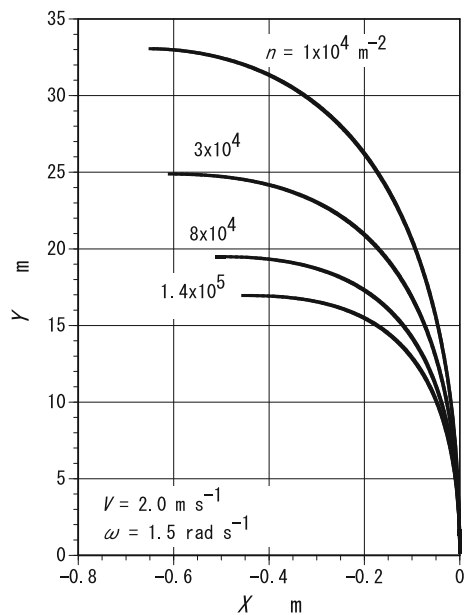


Fig. 12 Trajectories at different pebble densities. Parameters are the same as in Fig. 11. Initial translational velocity 2.0 m s^{-1}