

d	water depth	m
G	spatial filter	
S	average rate of strain tensor	N/m^2
U	front wave celerity	m/s
Δx	mesh sizes at x axes	m
Δy	mesh sizes at y	m
γ	volume fraction	(-)
μ	Water viscosity	$Pa \cdot s$
ρ	Water density	kg/m^3
κ	average curvature	
Δ	filter size	

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