

Description of files

The supplementary material consists of three MATLAB mat files: Type_1_Limit.mat, Type_2_Limit.mat, and Type_3_Limit.mat containing the original data of three profiles shown in Figure 5 in the article. Each mat file includes the following 18 quantities:

quantity	meaning
a	Fourier coefficients of $q_1(\tau)$
α	total arclength in half period
b	Fourier coefficients of $q_2(\tau)$
B	Bernoulli constant
c	Fourier coefficients of $x'(\tau)$
d	Fourier coefficients of $y'(\tau)$
dx	Function values of $x'(\tau)$
dy	Function values of $\eta'(\tau)$
F	Froude number
h	depth ratio
H	wave height
k	wave number
N	number of Fourier modes
$q1$	Function values of $q_1(\tau)$
$q2$	Function values of $q_2(\tau)$
R	density ratio
x	horizontal coordinate of interface
y	vertical coordinate of interface