

LIST OF SYMBOLS

A_E	dissipation factor
B	breaker coefficient
c	phase velocity
c_g	group velocity of wave
D	energy dissipation per unit span
D_B	rate of energy dissipation due wave breaking
E	wave energy density
E_k	kinetic energy per unit area
E_L	total energy per unit width
E_p	potential energy per unit area
ER	root mean square relative error
F_E	energy flux
\bar{F}_E	average energy flux
g	acceleration due to gravity
H	wave height
H_b	wave height at breaking point
H_i	incident wave height
H_o	deep water wave height
H_s	stable wave height
h	water depth
h_o	still water depth
K_d	wave decay coefficient
k	wave number
L	wave length
L_o	deep water wave length
m	bottom slope
Q	transport of water across the bore
T	wave period
S_{xx}	normal radiation stress in x-direction
u	velocity component in x -direction
w	velocity component in z -direction
x	horizontal coordinate in wave direction
z	vertical coordinate
$\bar{\eta}$	mean water level
σ	angular frequency
ϕ	velocity potential
ρ	fluid density
Γ	stable wave coefficient
ξ_o	deep water surf similarity parameter