Solitonic Dispersive Hydrodynamics: Theory and Observation

M h ll D. M d ,[1] D lt V . A d r ,[1] N l A. Fr ,[1] G d A. El,[2] d M r A. H f r[1,*]

[1] 80309-0526,

[2] 11 3 , K

(d 3 N r 2017; r d r t r d 13 F r 2018; h d 2 A r l 2018)

ud ld r h drd u ud u[-18] k th

t .Th d l t t d t t t
r d t k t r t l t tr r
$0 < k \ll 1$ [-26,27]:

$$^{-} + V(^{-})^{-} = 0, \qquad a + c(a, ^{-})a + f(a, ^{-})^{-} = 0,$$
$$k + [c(a, ^{-})k] = 0. \tag{2}$$

[illegible] f [illegible], d [illegible] r [illegible] t r [illegible]
tr [illegible] d [illegible] d t :

$$(a_-, \bar{}_-) = (a_+, \bar{}_+), \qquad —$$