

1. Record Nr.	UNINA9910808284603321
Autore	Berti Massimiliano
Titolo	Quasi-periodic standing wave solutions of gravity-capillary water waves // Massimiliano Berti, Riccardo Montalto
Pubbl/distr/stampa	Providence, Rhode Island : , : American Mathematical Society, , 2020
ISBN	1-4704-5654-0
Descrizione fisica	1 online resource (184 pages)
Collana	Memoirs of the American Mathematical Society ; ; Volume 263
Classificazione	76B1537K5576D4537K5035S05
Disciplina	532.0593
Soggetti	Water waves - Mathematical models Wave equation - Numerical solutions Standing waves Kolmogorov-Arnold-Moser theory Capillarity
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Sommario/riassunto	"We prove the existence and the linear stability of small amplitude time quasiperiodic standing wave solutions (i.e. periodic and even in the space variable x) of a 2-dimensional ocean with infinite depth under the action of gravity and surface tension. Such an existence result is obtained for all the values of the surface tension belonging to a Borel set of asymptotically full Lebesgue measure"--