

Abstract Submitted
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Surface waves in a foam ANNE LE GOFF, MMN, UMR Gulliver 7083, ESPCI, PABLO COBELLI, DF, FCEN, UBA & IFIBA, CONICET, Argentine / PMMH, UMR 7636, ESPCI, France, GUILLAUME LAGUBEAU, USACH, Santiago, Chile / LAUM, Université du Maine, France — We investigate the propagation and attenuation of waves generated at the surface of a liquid foam after the impact of a solid sphere. Surface deformation is recorded with high spatial and temporal resolution thanks to a fringe projection technique. We show that most surface waves travel at a velocity of a few meters per second. High velocity impacts also trigger the emission of faster waves. We discuss the nature of these two types of waves.

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