

Abstract Submitted
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Evolution of sand ripples in pulsed flow JOSÉ EDUARDO WESFREID, CNRS, JOACHIM KRUTHOF, PMMH - CNRS — We present high-resolution experiments showing the temporal evolution of sand ripples formed by oscillatory flow. We discuss the decompaction process observed during the formation of the ripples pattern. We have also studied the evolution of different parameters during the transition of rolling grain ripples to vortex ripples, as the slope of these ripples and we tested the validity of the Sleath criterion to discriminate the transition.

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