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TightropewalkingbubblesHELENE DE MALEPRADE, CHRISTOPHE CLANET, DAVID QUERE, PMMH- ESPCI ; Ladhyx - Ecole Polytechnique — A fiber can hold a certain amount ofliquid, which allows us to capture flying drops and control their motion. Immersedin water, a fiber can efficiently capture air bubbles only if it is hydrophobic. Using asuperhydrophobic coating on an inclined wire, we experimentally control the risingvelocity of air bubbles walking along the tightrope. We discuss the nature of thefriction around the walker, and the resulting speed of bubbles.

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