

Abstract Submitted
for the MAR09 Meeting of
The American Physical Society

Walking on water: why your feet get wet MICHAEL SHELLEY, Courant Institute, New York University, JAKE FONTANA, PETER PALFFY-MUHORAY, Liquid Crystal Institute, Kent State University — Walking on wet pavement during or after heavy rain results in wet shoes, and often, wet feet. We describe a peculiar transport process associated with walking on wet surfaces which results in the vamps, and frequently, the insides, of shoes getting wet. We discuss details of this process and compare experimental results with simple model predictions. Strategies for keeping feet dry will be considered.

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Date submitted: 21 Nov 2008

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