Hydrodynamic quantum analogs
Bush, John; MIT

We present the results of recent experimental and theoretical investigations of droplets walking on a vibrating fluid bath, which are known to exhibit a number of quantum-like features. Particular attention is given to behavior akin to Snell's law and self-induction as arise when the walking droplets interact with bottom topography. We also highlight the striking features that arise when the walking drops are confined to corral geometries, including analogs of the quantum mirage.