

The figures depict a self-running oil droplet. Drops of oil placed on glass and in a solution containing a surfactant are observed to move spontaneously, driven by a difference in surface tension between the front and back due to absorption of surfactant from the surface. Depending on the shape of the substrate, drops can execute various types of regular motion and can even climb up stairs. See article 068301, as well as the related Phys. Rev. Focus story at http://focus.aps.org/.

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