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Wetting phenomena and lateral adhesion RAFAEL TADMOR, PRASHANT BAHADU, PREETI YADAV, ALEXANDRA AZACOR, CARL JINKINS, Department of Chemical Engineering, Lamar University, Beaumont TX — Surface energies are key factors in many physical problems but they are often difficult to determine. A straightforward way to determine surface energies is by placing a drop on the surface of interest and using the Young equation and the recently obtained relation between the Young contact angle and the maximal advancing,  $\theta_A$ , and minimal receding,  $\theta_R$ , contact angles<sup>1</sup> to extract the surface energy of the surface. We present here some ways to measure the two extremes contact angles and discuss the related lateral adhesion. 1. R. Tadmor, Langmuir, 20,7659-7664, **2004**.

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