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\(^1\) 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.