

## Solid-liquid work of adhesion

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We discuss the problem of solid liquid adhesion and in particular we will focus on a tool for direct measurements of the work needed to separate a liquid from a solid. The method mimics a pendant drop that is subjected to a gravitational force that is slowly increasing until the solid-liquid contact area starts to shrink spontaneously. The work of adhesion is then calculated in analogy to Tate's law. The values obtained are intensive (independent of drop size) and in agreement with Dupré's theory.

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