

# **BOULDER SUMMER SCHOOL LECTURE: WETTING AND CAPILLARITY**

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List of questions.

## **II. UNBALANCED WETTING** **7/8/11**

### 1. Wettability contrasts

How does a drop decide which side it is on?

How can a drop transport a frontier with it?

How can we overcome pinning?

### 2. Marangoni propulsion

What is a bidrop, and how does it behave?

How can we extract oil from a tube?

How can we move boats with a piece of soap?

### 3. Surfing on a hot spot

How can we get unbalanced wetting without wetting?

How can we avoid tons of calculations with an experiment?

How can we prove that a wrong model is wrong?