

Particle Characterization: Module 6, Lecture 16

1. How do Coulombic & image forces differ?
2. How is electrostatic potential set up?
3. How does the electronic double layer force depend on V , d_p , Z_0 ?
4. How does the ionic double layer force depend on double layer thickness, V , d_p , Z_0 ?
5. How does surface tension force depend on d_p , γ ?
6. How does zeta potential develop?
7. How does zeta potential affect CMP?
8. How can zeta potential be controlled?
9. Why are electrostatic forces reduced in liquids?
10. Do hydrophilic particles in water attract or repel? Why?