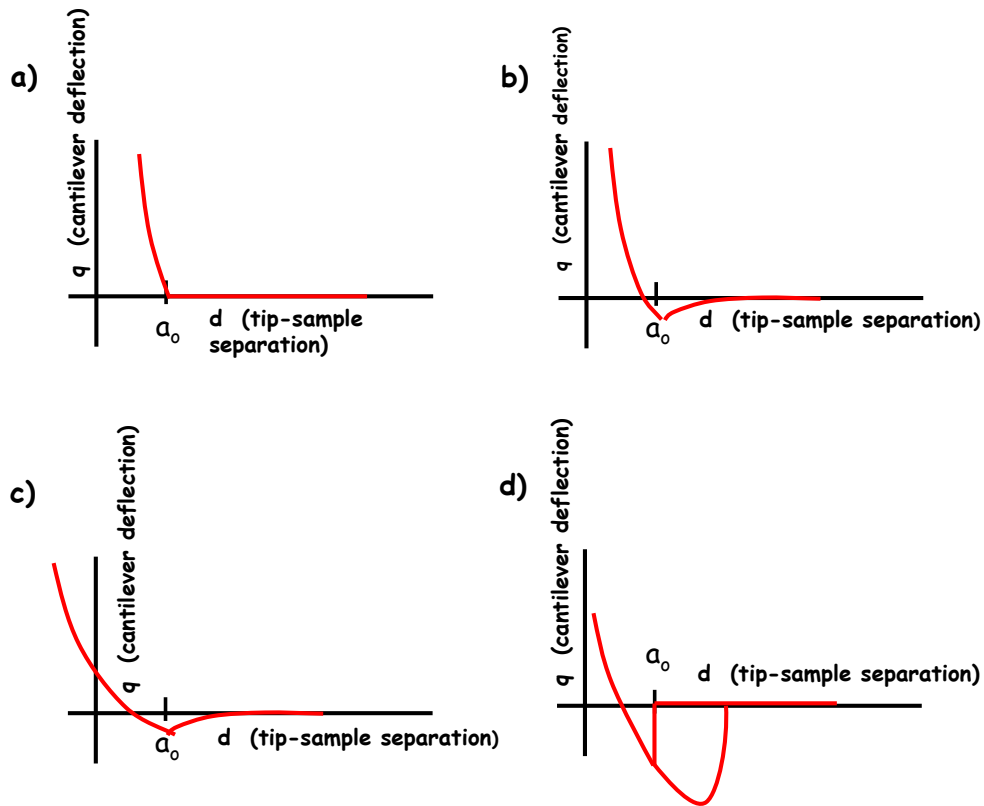


QUIZ on Lecture P1_Wk2_L6

Listed below are four curves that represent typical cantilever deflection vs. separation between a tip (mounted on a cantilever) and a flat sample.



1. Which curve could be best described by the Hertz contact model?

- a) **Curve a)**
- b) Curve b)
- c) Curve c)
- d) Curve d)

2. Which curve could be best described by the JKR contact model?

- a) Curve a)
- b) Curve b)
- c) Curve c)
- d) **Curve d)**

3. Which curve shows a long range attractive interaction and a soft sample upon contact?

- a) Curve a)
- b) Curve b)
- c) **Curve c)**
- d) Curve d)

4. Which curve shows a long range attractive interaction and a hard sample upon contact?

- a) Curve a)
- b) **Curve b)**
- c) Curve c)
- d) Curve d)