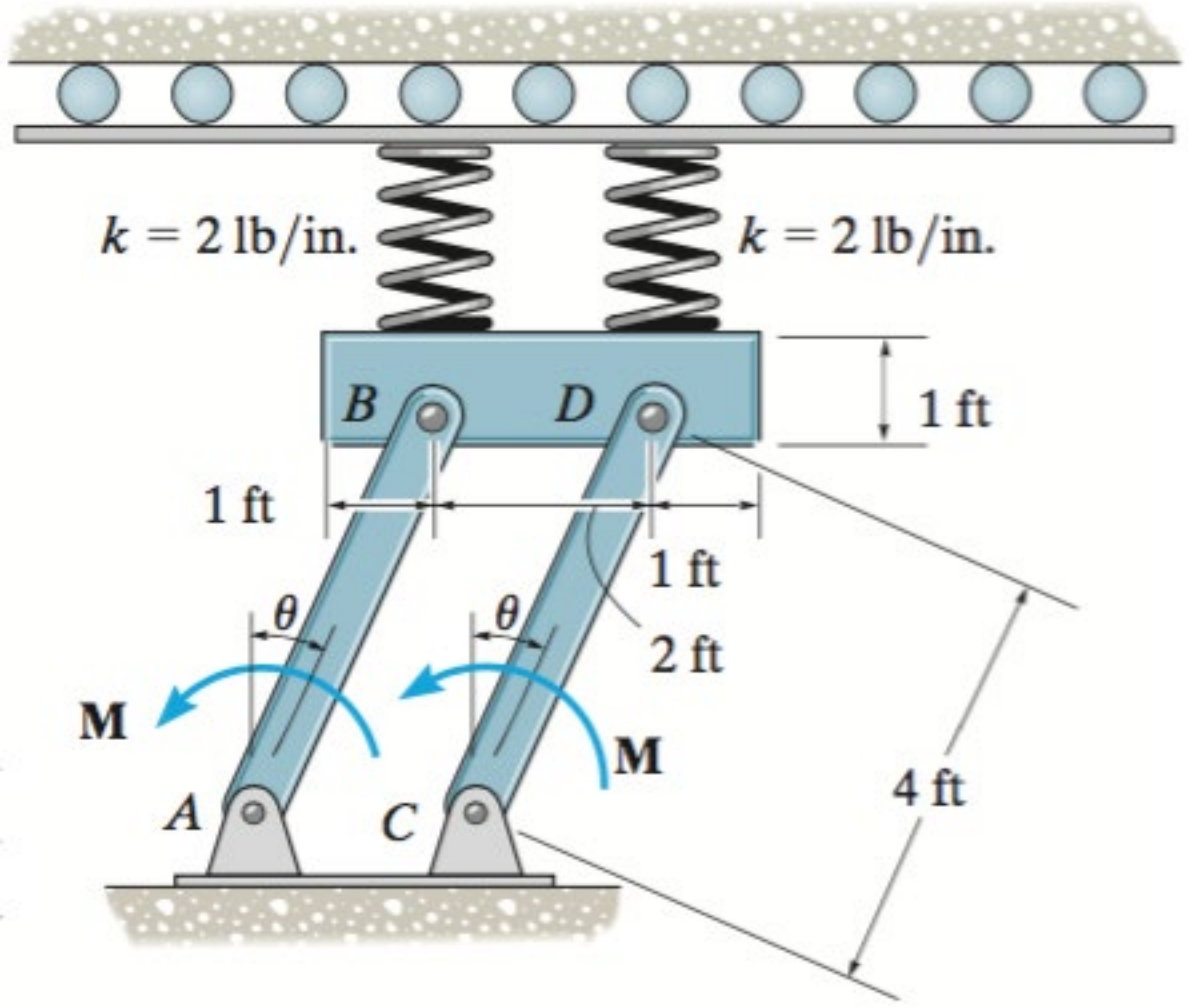
Announcements

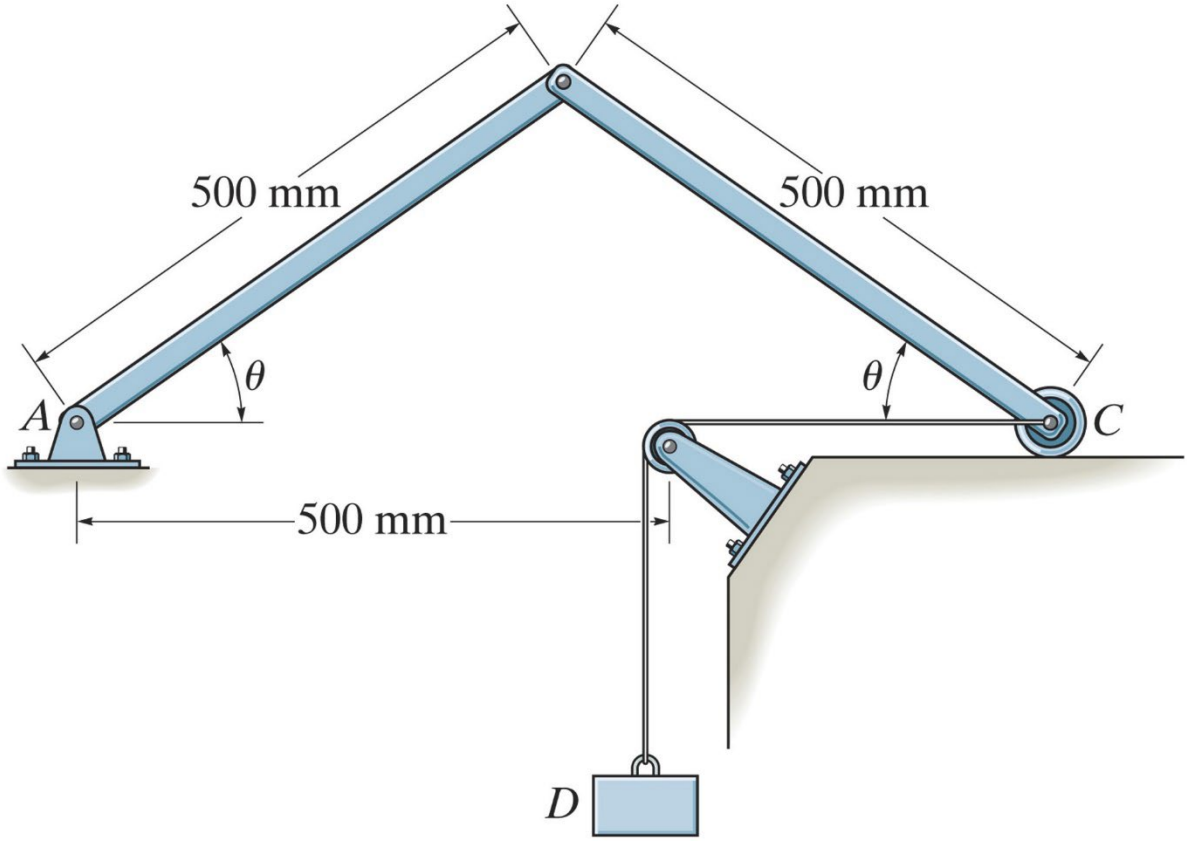
- Last day of class: Monday, April 29
- No discussion sections next week
- Last day of office hours and Piazza help: Wednesday, May 1
- CBTF (last) Quiz 6 starts Thursday, May 2

- Upcoming deadlines:
- Friday (4/26): Written Assignment
- Wednesday (5/1): Last PL HW

When $\theta = 20°$, the 50-lb uniform block compresses the two vertical springs 4 in. If the uniform links *AB* and *CD* each weigh 10 lb, determine the magnitude of the applied couple moments **M** needed to maintain equilibrium when u = 20°.



Determine the angel of equilibrium, θ, given that block D has a mass of 7 kg and the links each have a mass of 3 kg.



The crankshaft is subjected to a torque of M = 50 N m. Determine the horizontal compressive force *F* applied to the piston for equilibrium when $\theta = 60°$.