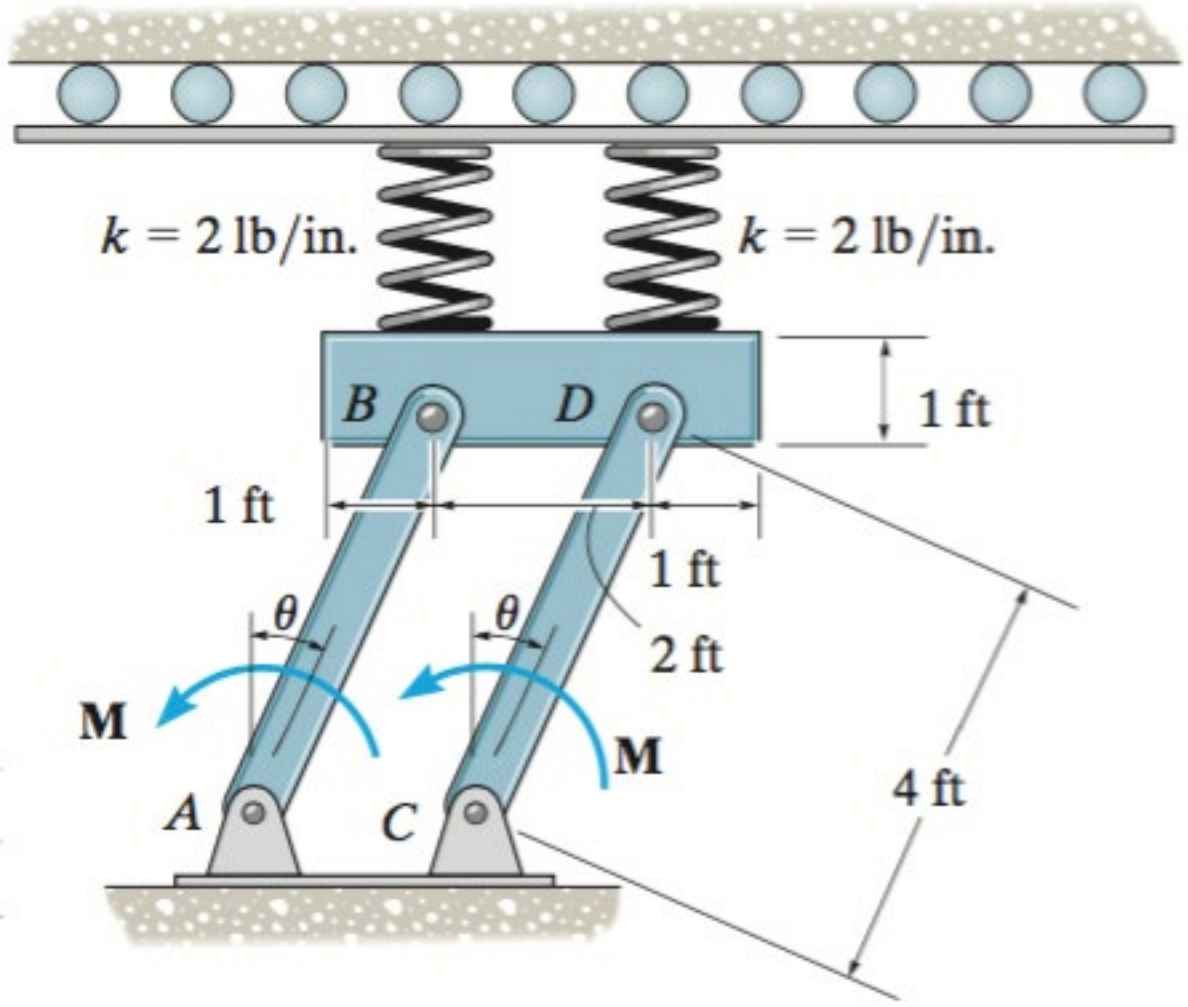
Announcements

- Last day of class: Monday, Dec. 10
- No discussion sections next week
- Last day of office hours and Piazza help: Wednesday, Dec. 12
- CBTF (last) Quiz 6 starts Thursday, Dec. 13

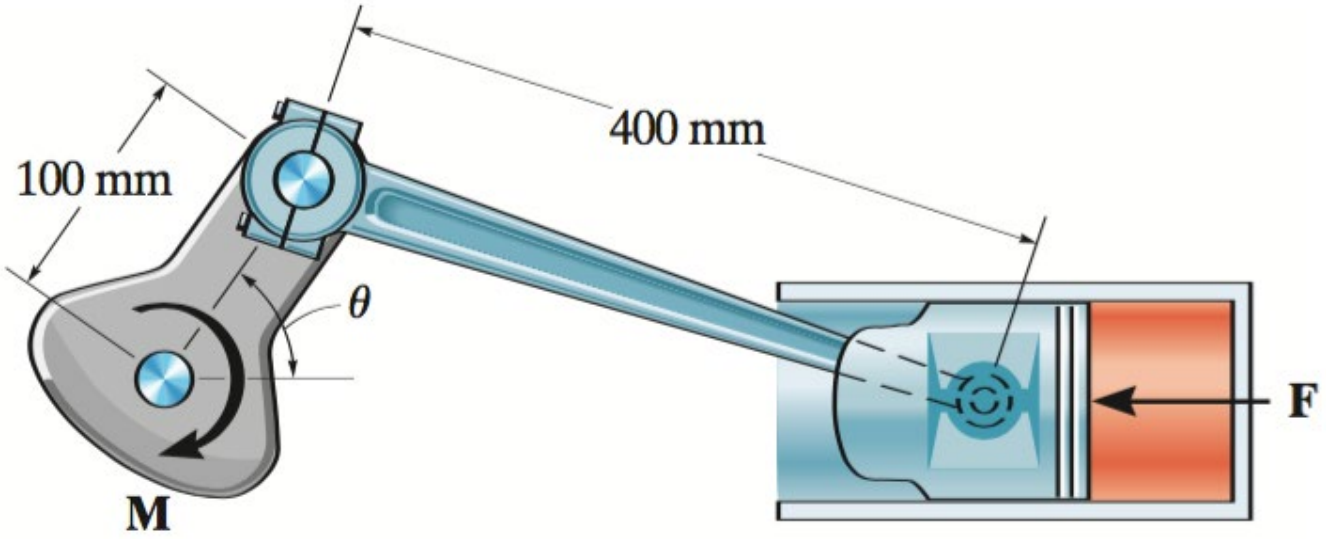
❑ Upcoming deadlines:

- Friday (12/7) – Today!
  - Written assignment 9
- Tuesday (12/11)
  - Last PL HW

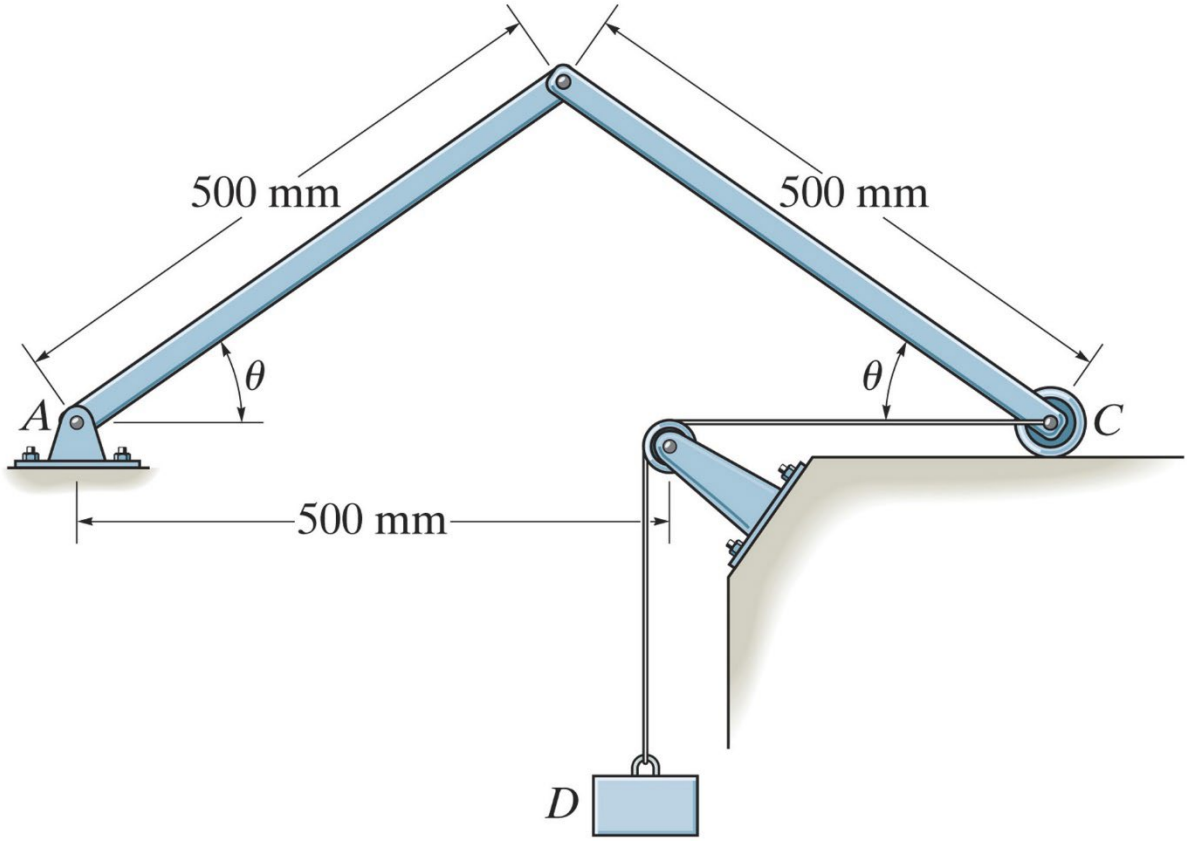
When $\theta = 20°$, the 50-lb uniform block compresses the two vertical springs 4 in. If the uniform links *AB* and *CD* each weigh 10 lb, determine the magnitude of the applied couple moments **M** needed to maintain equilibrium when u = 20°.



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 $\theta = 60°$.



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.



Determine the weight of block *G* required to balance the differential lever when the 20-lb load is placed on the pan at *F*.