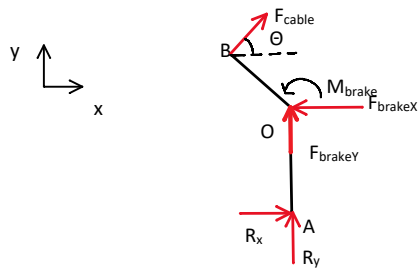


3.21 A bike brake consists of two pieces AOB and COD (Fig. P3.17). Draw a physical model and associated FBD for structural element AOB.

Assuming the brake is engaged



Note: A is pivot

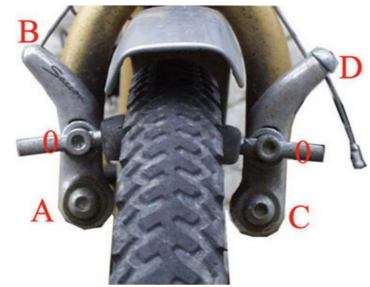


Fig. P3.17 The brake

3.23 Draw a physical model and associated FBD of the cable supporting a street lamp (Fig. P3.19). Assume that the weight of the cable is negligible compared to the lamp.

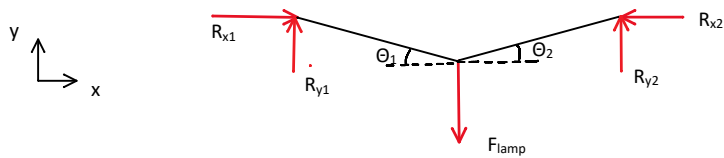


Fig. P3.19 Street lamp