Homework H2.H

Given: The mechanism shown below is made up on links AB, BD and DE. Link AB is known to be rotating counterclockwise with an angular speed of ω_{AB}. At the instant shown, link BD is horizontal.

Find: For this problem:

(a) Locate the instant center for link BD.

(b) Using the instant center approach, determine the angular speeds of links BD and DE (in terms of ω_{AB}). Also, determine the sense of rotation (clockwise or counterclockwise) for links BD and DE.