

Homework 2.H

Given: Consider the mechanism shown below. Link AB is given a counterclockwise rotation rate of ω_{AB} . For the position of the mechanism shown, links AB and DG are vertical, and links BD and EG are horizontal.

Find: For this problem:

- (a) Graphically locate the instant centers (ICs) for links OD, AB, BD, DG, EG and GH.
- (b) Based the location of these ICs, state whether the angular velocities OD, BD, DG, EG and GH are clockwise, counterclockwise or zero. Provide written arguments for these answers.

NOTE: Please use only the instant center approach for this problem. No credit will be given for the use of vector analysis to find your answers.

