Hw 1: R1: p. 165, For the Fig. of prob. 4.5,

Find θ_3 and θ_4, coordinates of points C and E, by

(1) Vector loop closure equation,

(2) Transmission angle approach.

Hw 2: 1. R1: 5.7,

2. R1: 5.18

3. R1: For the Figure shown in p. 107

(1). Find its singular positions and Explain the physical meaning.

(2). Derive $\beta_2 = f(r_1, r_2)$, β_2 is the angle of quick stroke,