



(a) First extreme position, $\theta_2 = 209^\circ$

(b) Second extreme position, $\theta_2 = 19^\circ$

$O_2O_4 = 1.00$	$L_2 = 0.450$	$L_3 = 0.990$	$L_6 = 0.325$	$L_7 = 0.938$	$L_8 = 0.572$	$CD = 0.325$	$CE = 1.145$
			$DE = 0.823$	$O_4O_6 = 0.419$	$O_4B = O_4C = 0.590$		

FIGURE 3-36

Eightbar linkage with $\pm 360^\circ$ oscillatory rotation of link 8 when crank 2 revolves fully (Source: Hain⁽²²⁾ pp. 368-370)

- 7-67 Write a computer program or use an equation solver such as *Mathcad*, *Matlab*, or *TKSolver* to calculate and plot the angular acceleration of link 8 in the linkage of Figure 3-36 as a function of θ_2 for a constant $\omega_2 = 1$ rad/sec CCW.