ME5243: Advanced Mechanism Design **3PP Analytical Motion Generation Synthesis**

Aircraft Landing Gear

The figure below shows three precision positions for an aircraft land gear.

- 1. Draw the prescribed variables. What are their values?
- 2. For free choices of $\beta_2 = -26^\circ$ and $\beta_3 = -53^\circ$, the solution dyad is: $\vec{W} = (71 + 27i)$ mm, $\vec{Z} = (2 + 0.2i)$ mm. Draw the solution dyad.
- 3. For free choices of $\gamma_2 = 38^{\circ}$ and $\gamma_3 = 59^{\circ}$, solve for \overrightarrow{W}^* and \overrightarrow{Z}^* . Draw the solution dyad.

