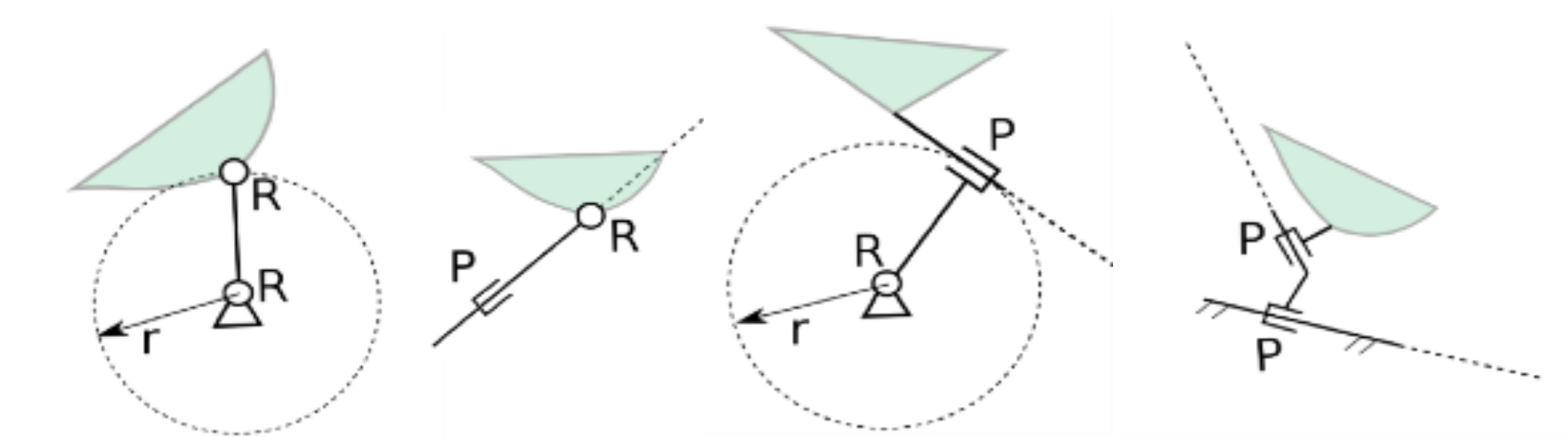


Review: Unified Representation of Dyad Constraints

- A unified treatment of the **geometric constraints of the building blocks** (dyads for four-bar) of mechanisms



- Homogeneous Representation of Line and Circle

$$2a_1X_1 + 2a_2X_2 + a_3X_3 = a_0\left(\frac{X_1^2 + X_2^2}{X_3}\right)$$

when $a_0 = 0$

$$L_1X_1 + L_2X_2 + L_3X_3 = 0,$$