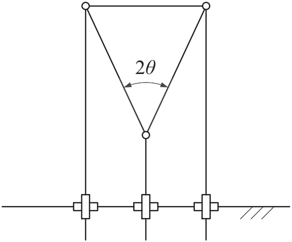
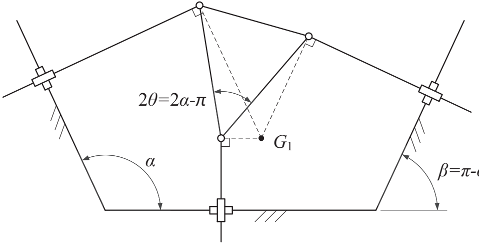
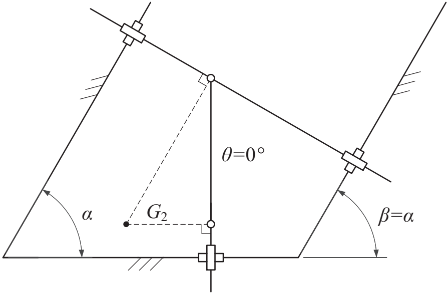


(a) $\alpha = 0^\circ$ or 180°, $\beta = 0^\circ$ or 180°



(b) $\alpha = \pi - \beta$, $\theta = \alpha - 90^\circ$



(c) $\beta = \alpha$, $\theta = 0^\circ$