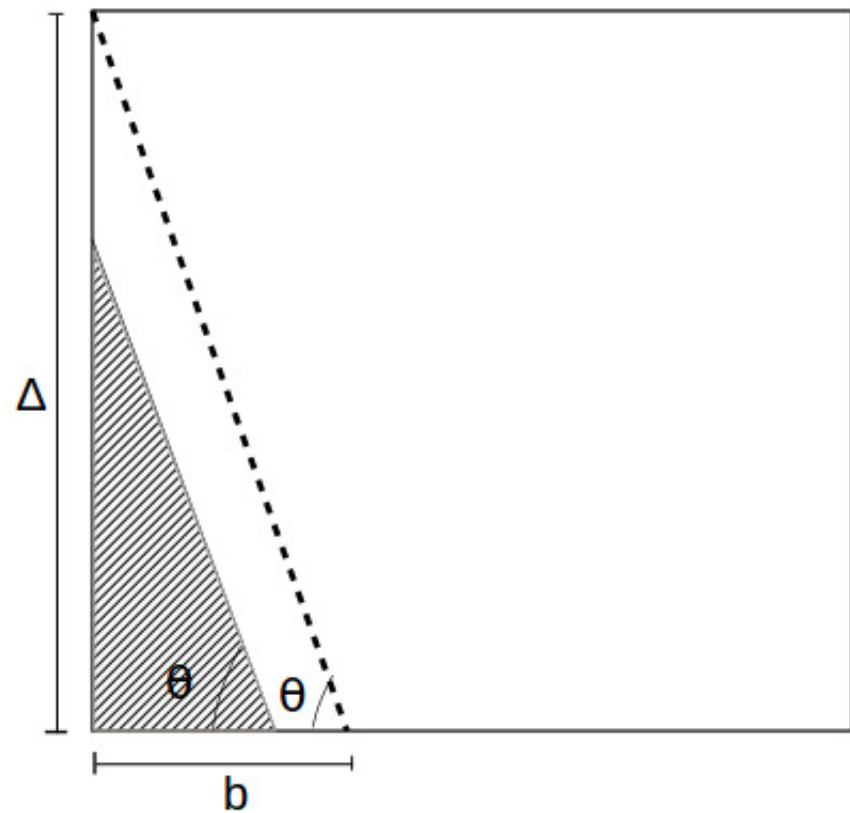


(a) $\theta < \pi/4$



(b) $\theta > \pi/4$