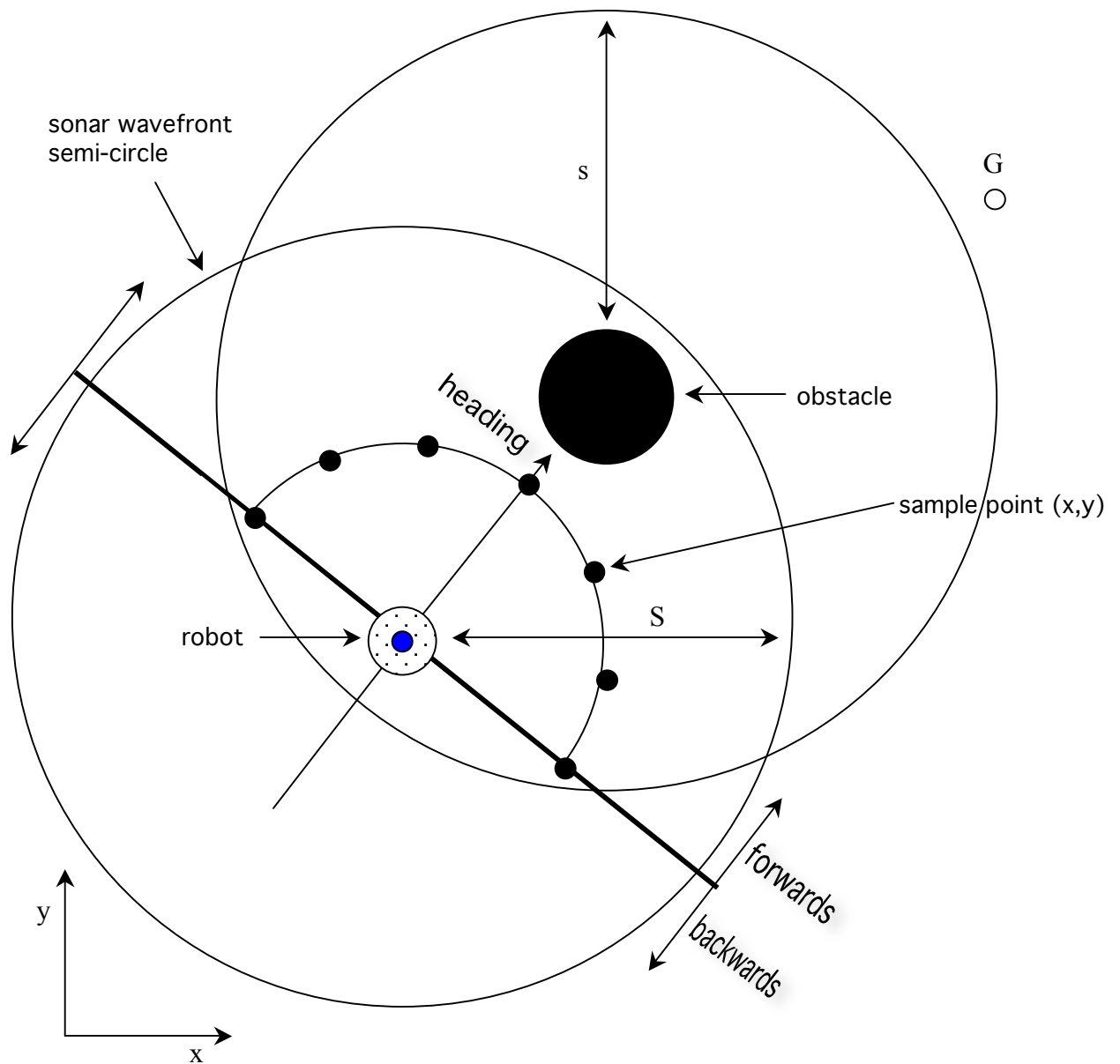


**Figure 1.**



The robot at a location near an obstacle within its sensor range. 7 (x,y) sample points are shown on the forwards semi-circle.