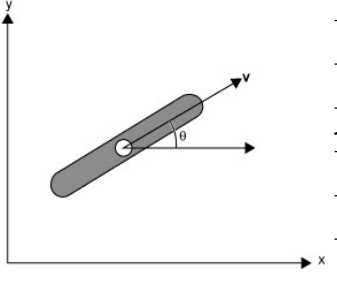
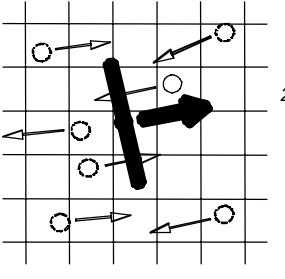
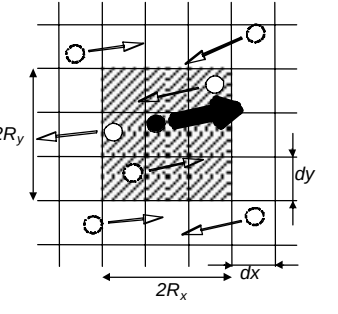

y
v
θ
x




$2R_y$
dy
dx
$2R_x$