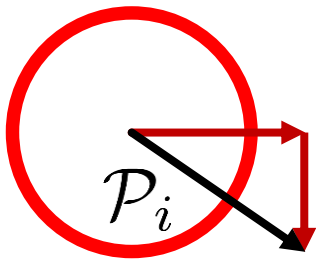
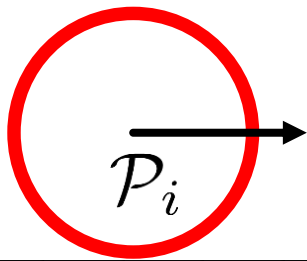
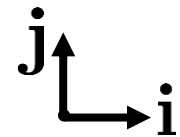
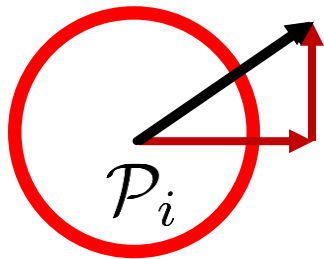


$$\dot{\mathbf{r}}_i = (v_x, -v_y)$$



$$\dot{\mathbf{r}}_i = (v_x, +v_y)$$



$$\dot{\mathbf{r}}_i = (v_x, 0)$$