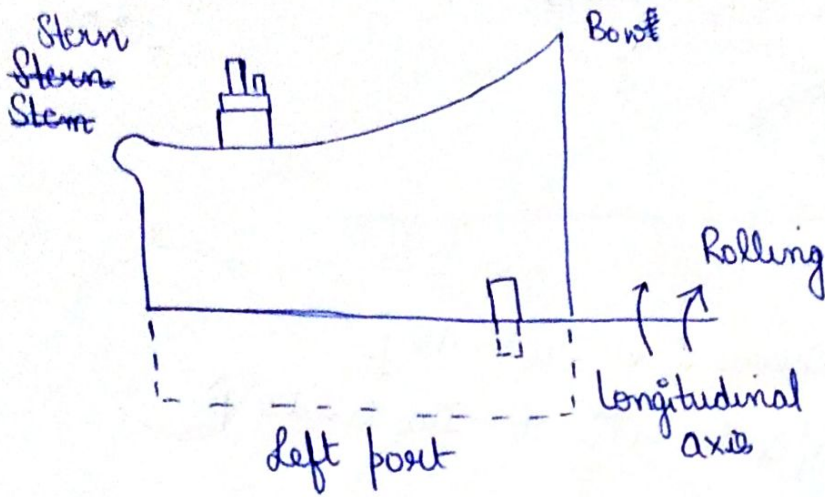
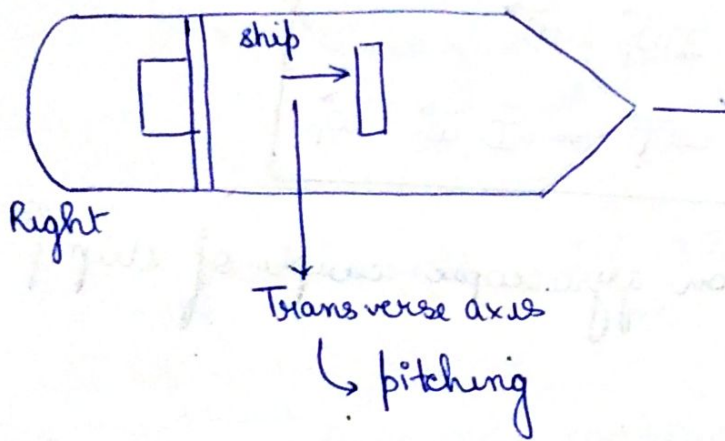


Gyroscopic effect on ship -

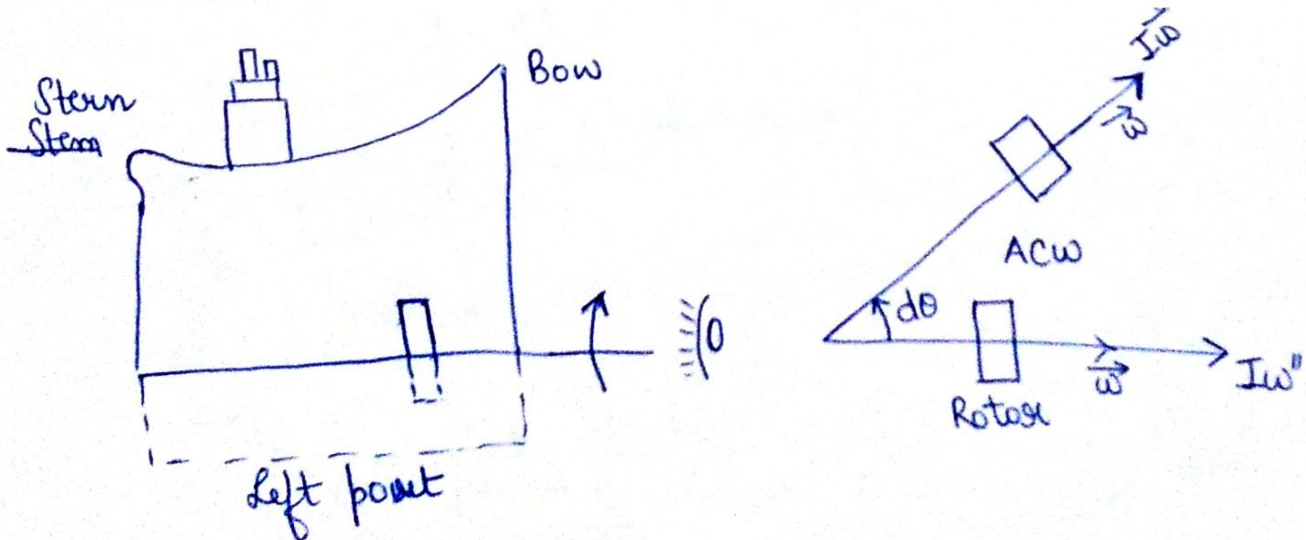


- Steering
- Pitching
- Rolling



- * Gyroscopic effect during steering
- * Gyroscopic effect during pitching
- * Gyroscopic effect during rolling.

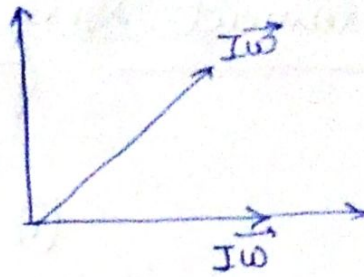
→ Gyroscopic effect during pitching -



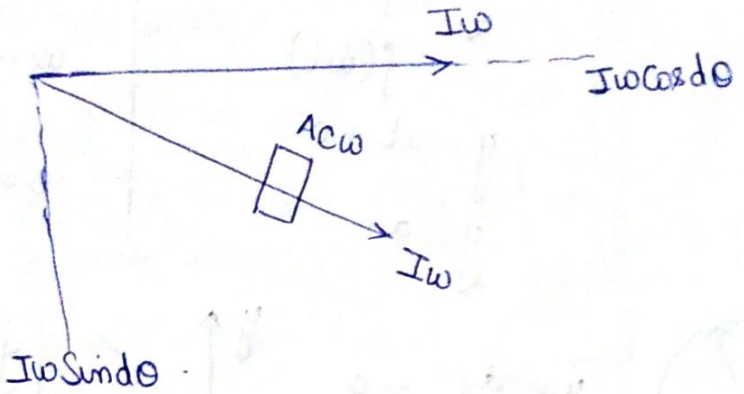
$$\Delta \vec{L} = \Delta L_x \hat{i} + \Delta L_y \hat{j}$$

$$\frac{\Delta L}{\Delta t} = I\omega \frac{d\theta}{dt}$$

$$\tau = I\omega \omega_p$$



Case - II



→ Gyroscopic effect during rolling -

There is "NO" gyroscopic effect during rolling

→ Gyroscopic effect during steering -

