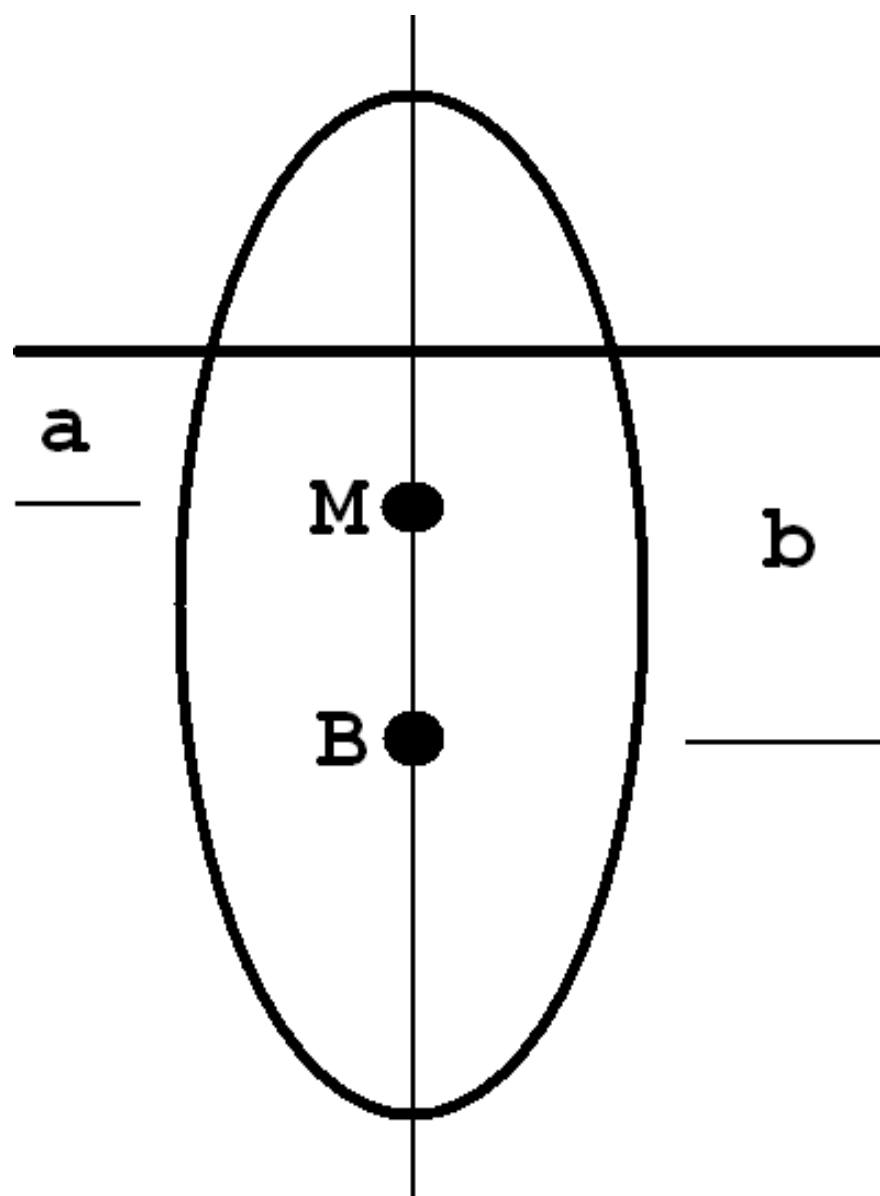


FLUIDS AT REST

METACENTER

EXAMPLES



SQUARE CANOE

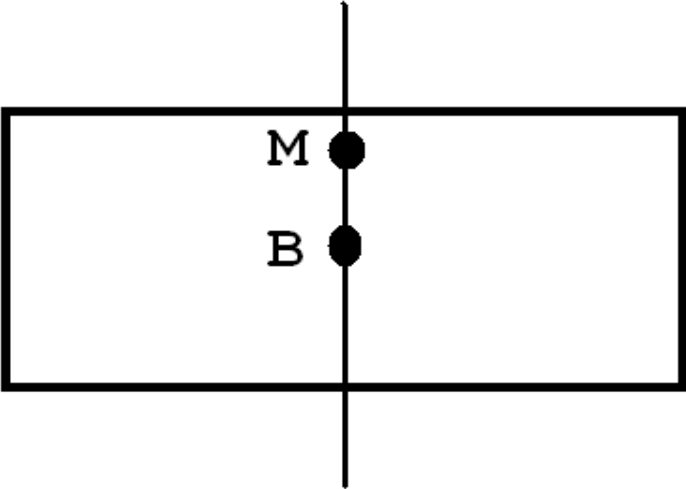
$$K = 2 G^3/3 W$$

$$V = 2G G W$$

$$R = G/3$$

$$b = G/2$$

$$a = + G/6$$



SEMICIRCLE CANOE

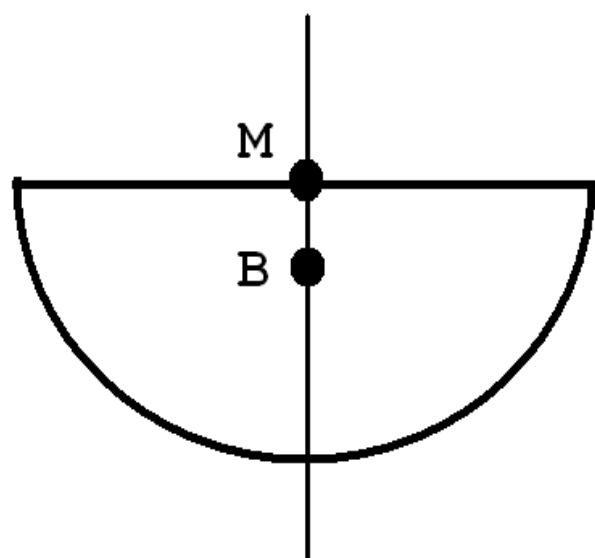
$$K = 2 \ G^3/3 \ W$$

$$V = \pi G^2/2 \ W$$

$$R = 4/\pi \ G/3$$

$$b = 4/\pi \ G/3$$

$$a = 0$$



TRIANGLE CANOE

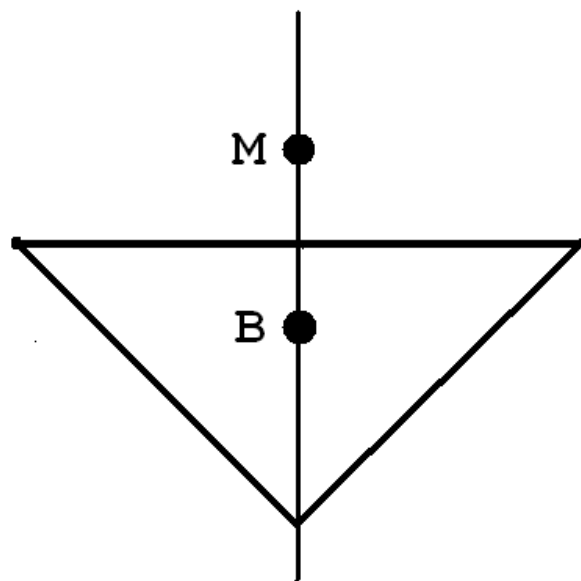
$$K = 2 G^3/3 W$$

$$V = 2G/2 G W$$

$$R = 2G/3$$

$$b = G/3$$

$$a = - G/3$$



PONTOON CANOE

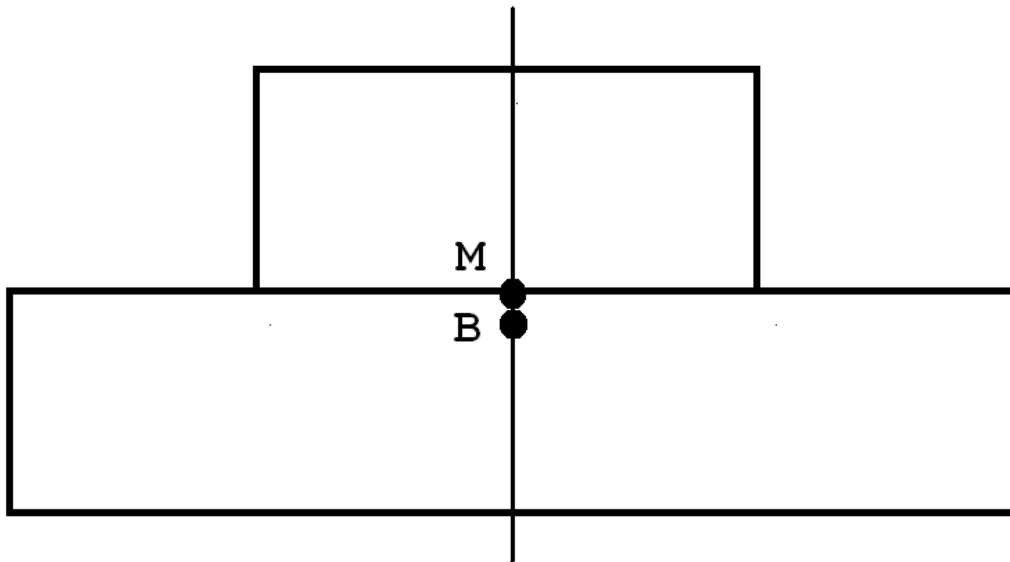
$$K = 2 G^3/3 W$$

$$V = (2G G + 4G G) W$$

$$R = G/9$$

$$b = 7G/6$$

$$a = + 19G/18$$



LEG VOLUME $2G \cdot G \cdot W$

PONTOON VOLUME $4G \cdot G \cdot W$

LEG MOMENT $2G \cdot G \cdot W \cdot G/2$

PONTOON MOMENT $4G \cdot G \cdot W \cdot 3G/2$

Σ MOMENT / Σ VOLUME $7G/6$