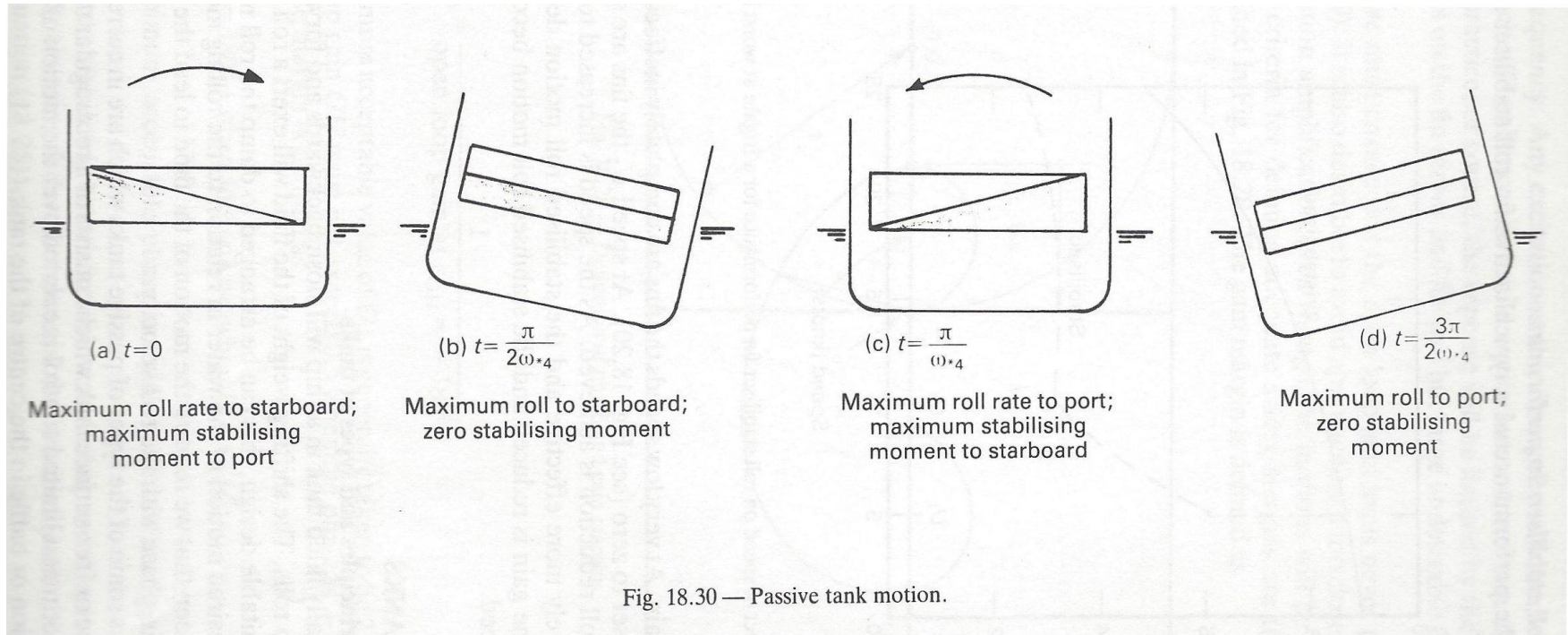


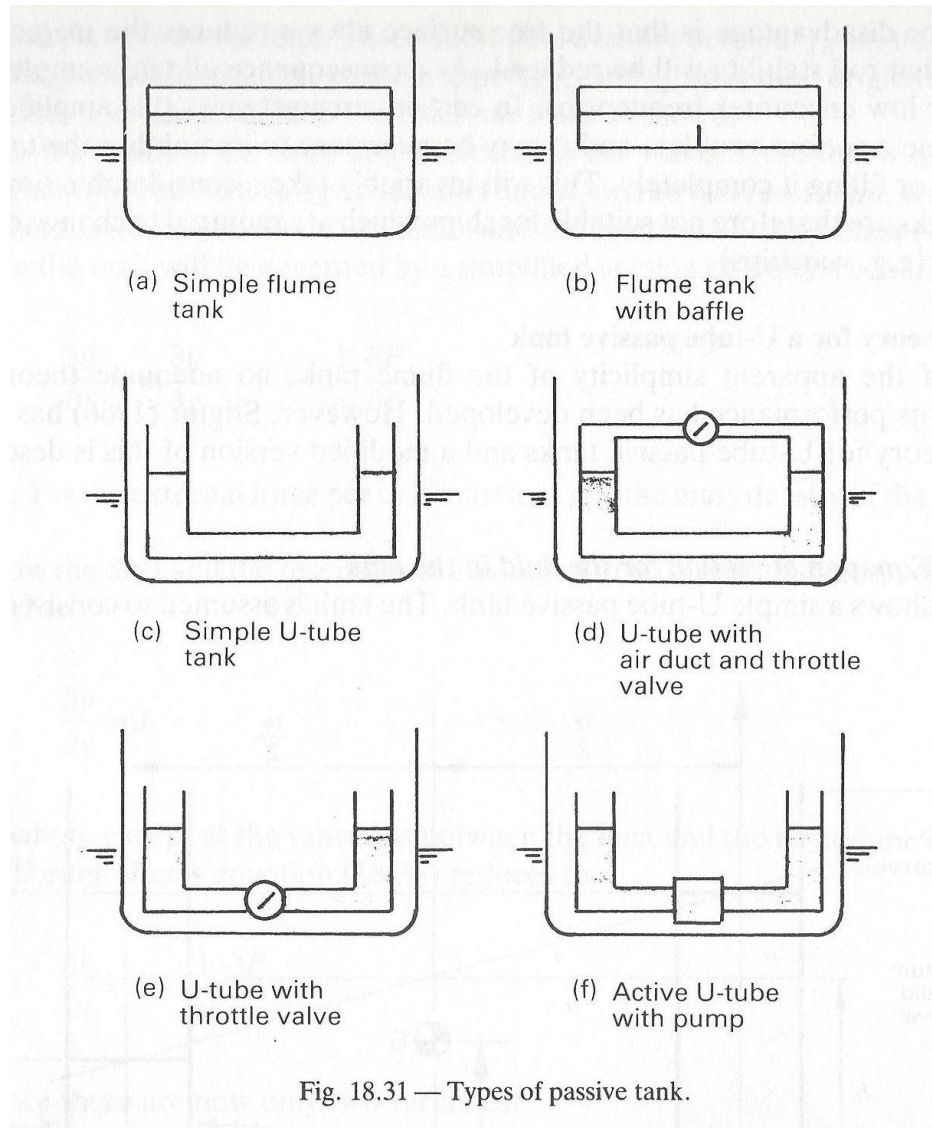
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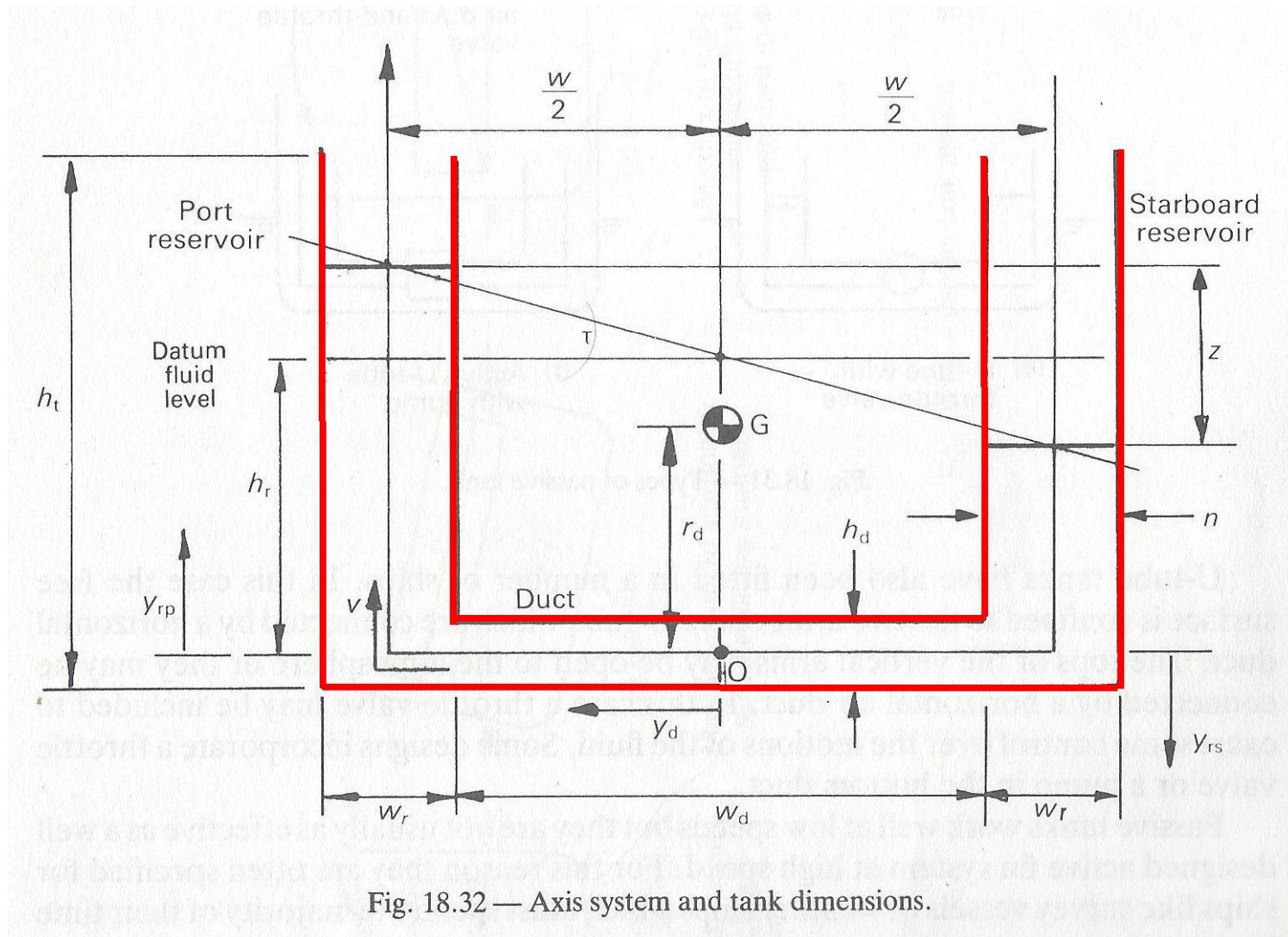


Fig. 18.32 — Axis system and tank dimensions.

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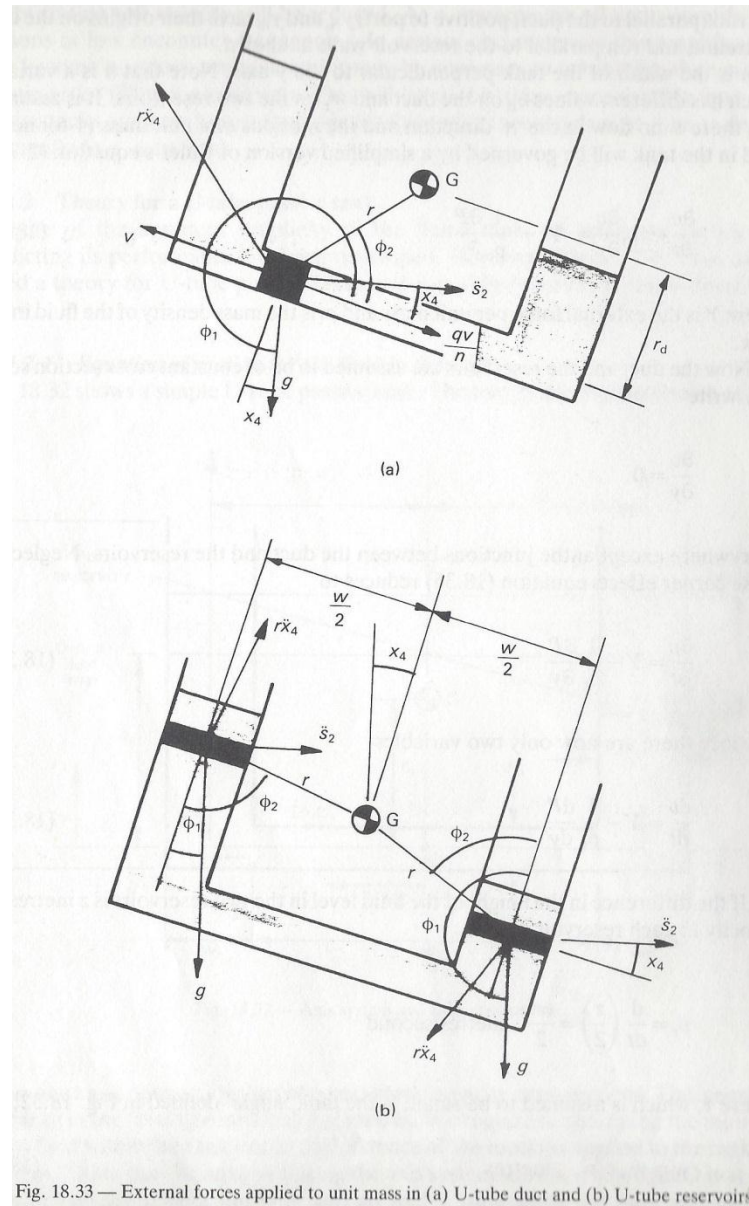


Fig. 18.33 — External forces applied to unit mass in (a) U-tube duct and (b) U-tube reservoirs.

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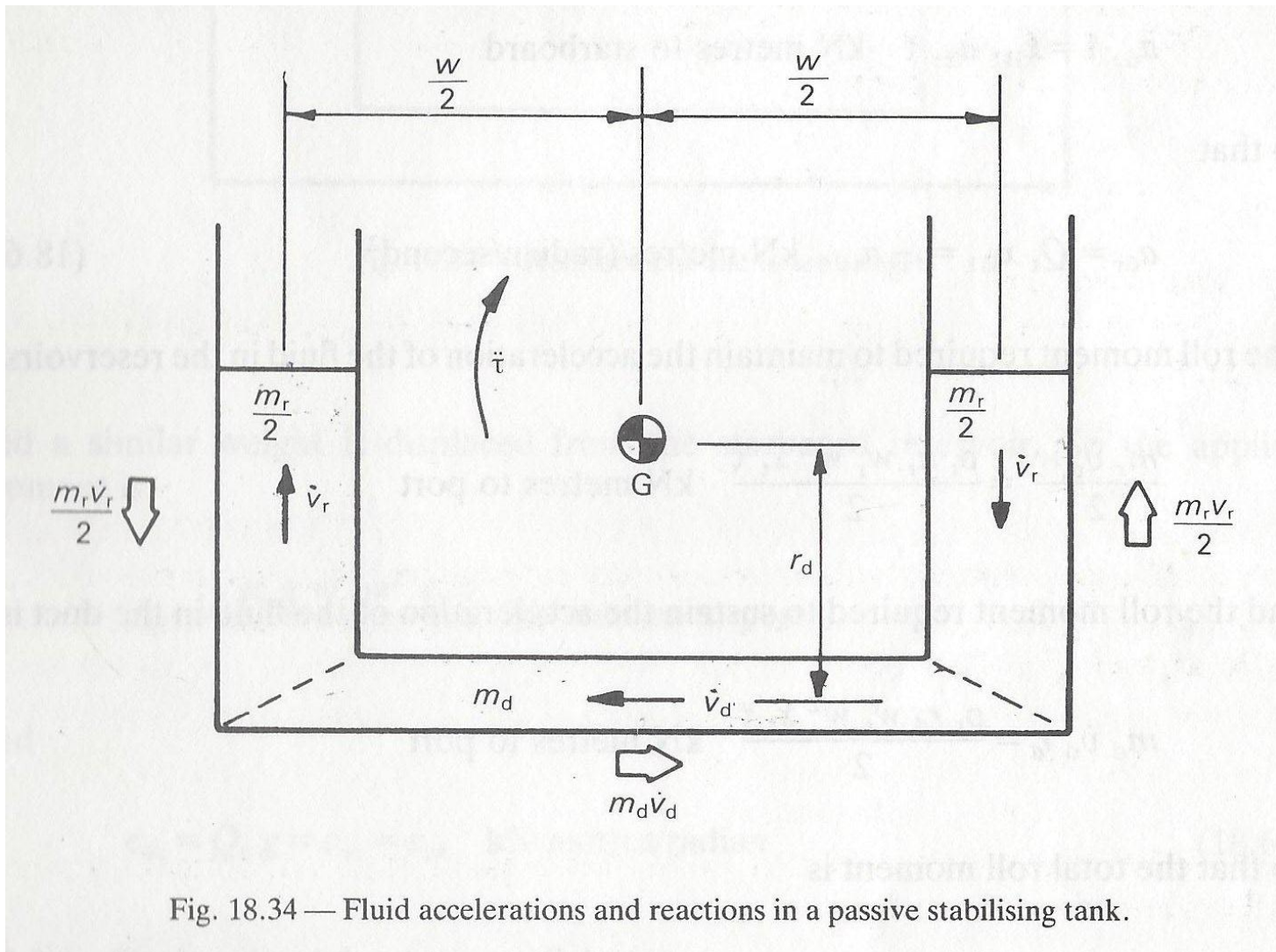


Fig. 18.34 — Fluid accelerations and reactions in a passive stabilising tank.

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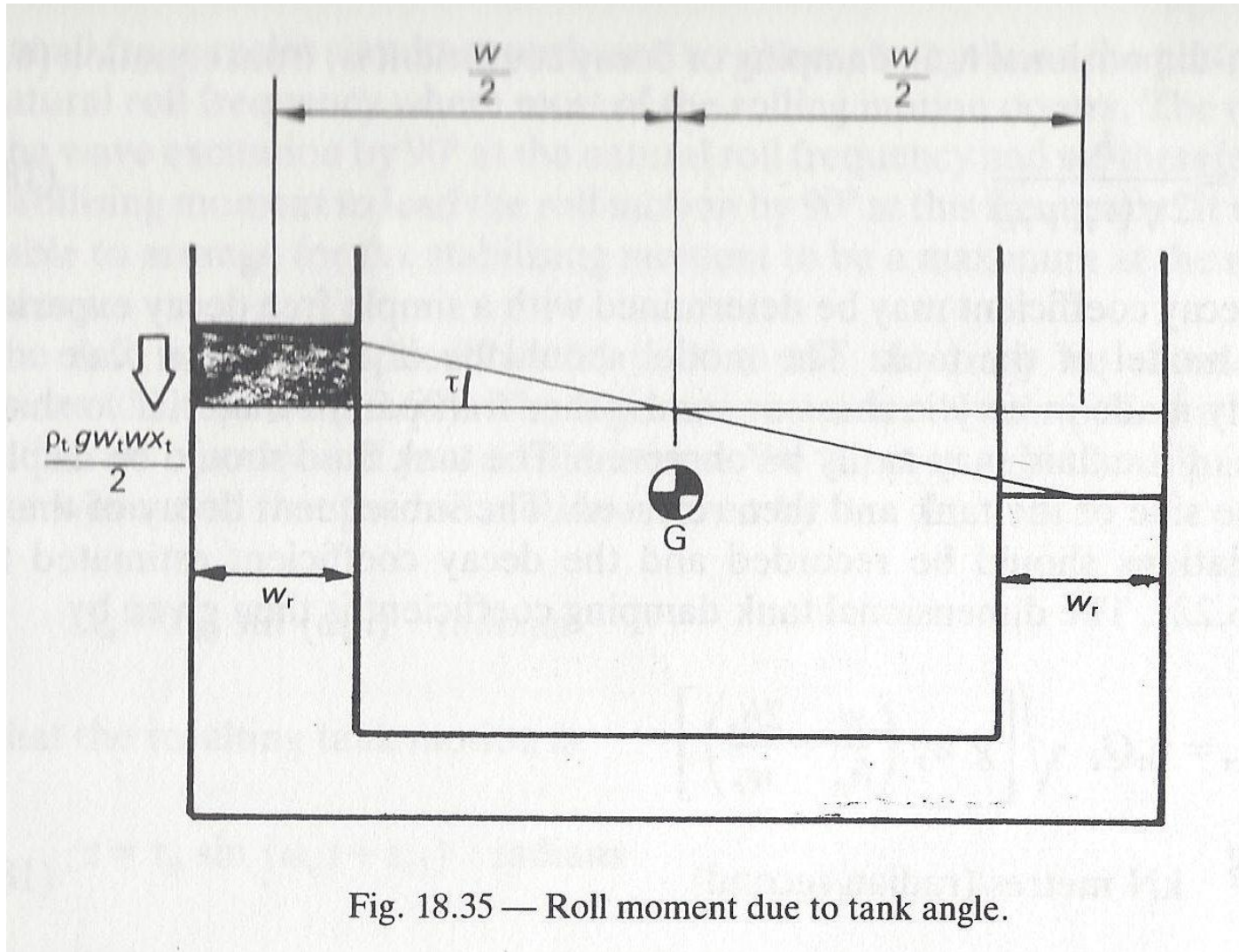


Fig. 18.35 — Roll moment due to tank angle.

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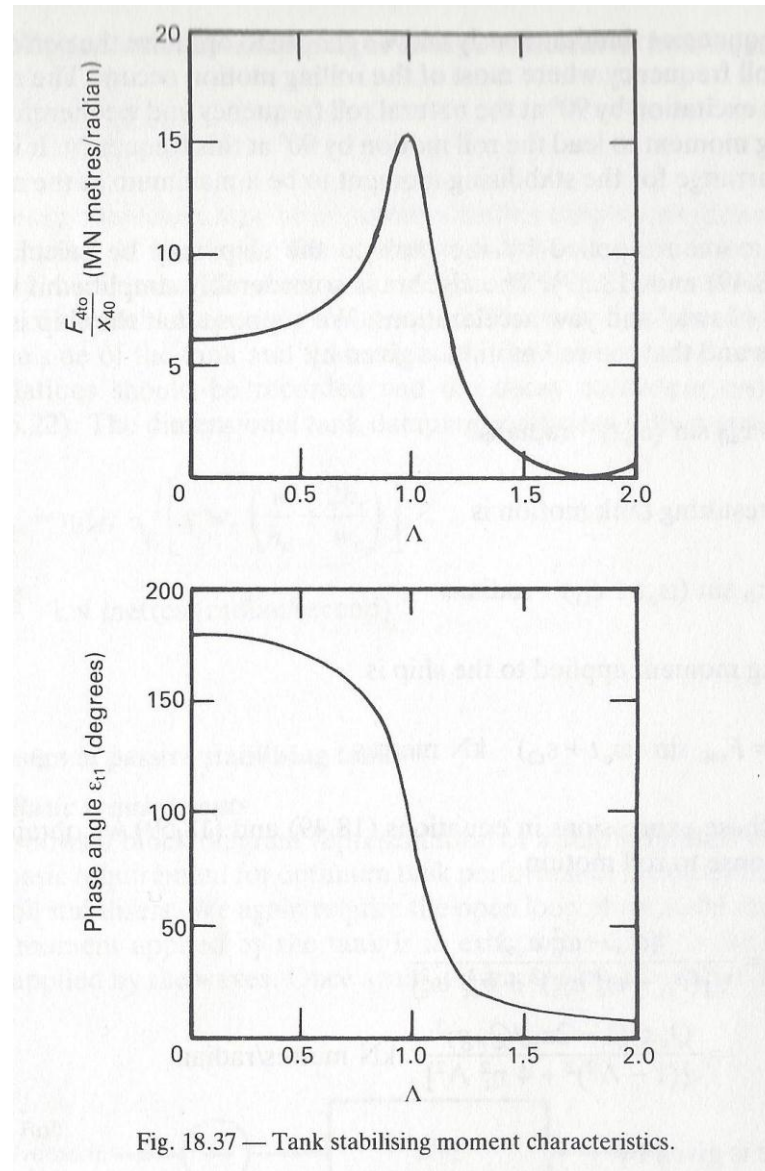
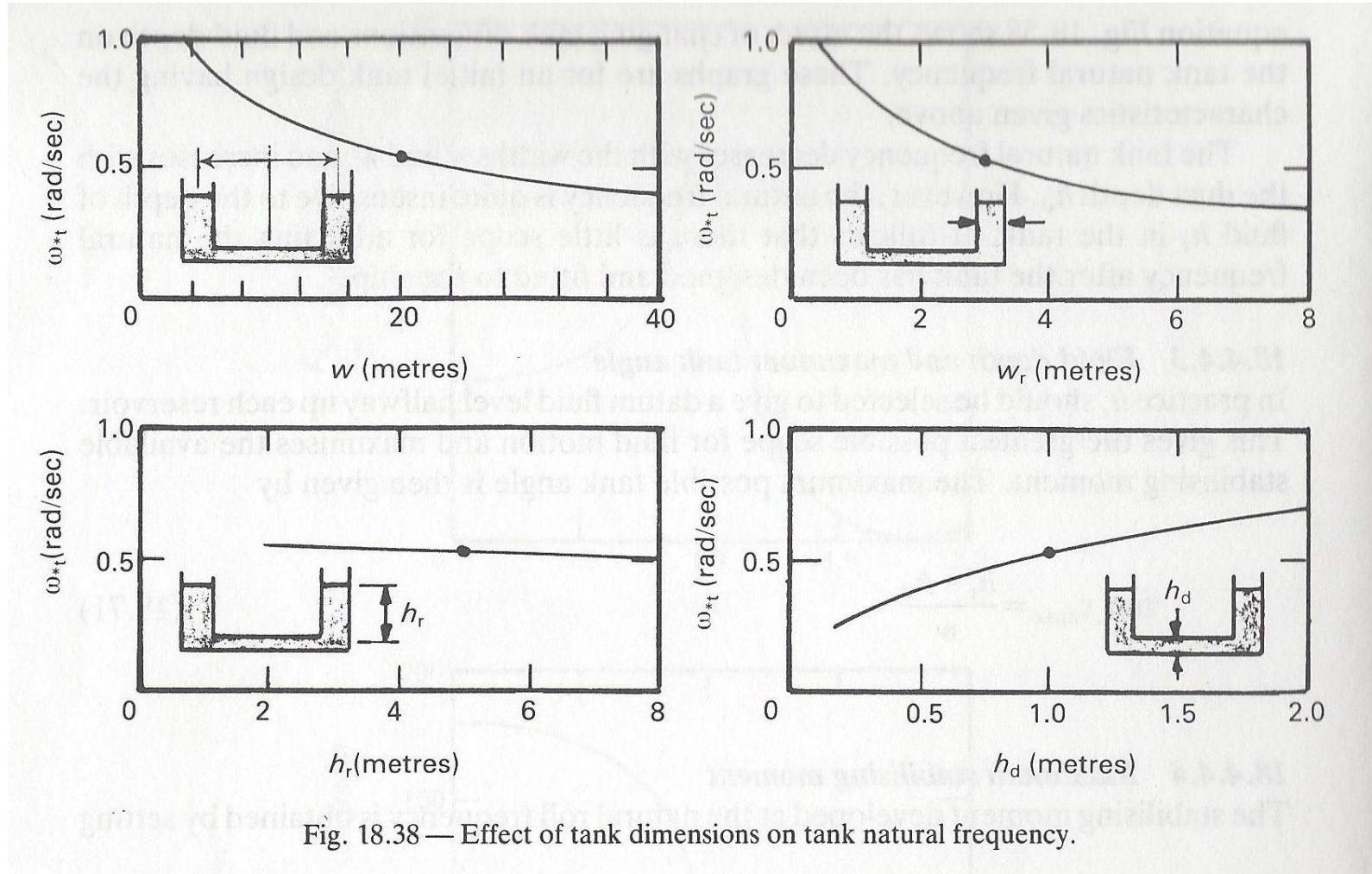


Fig. 18.37 — Tank stabilising moment characteristics.

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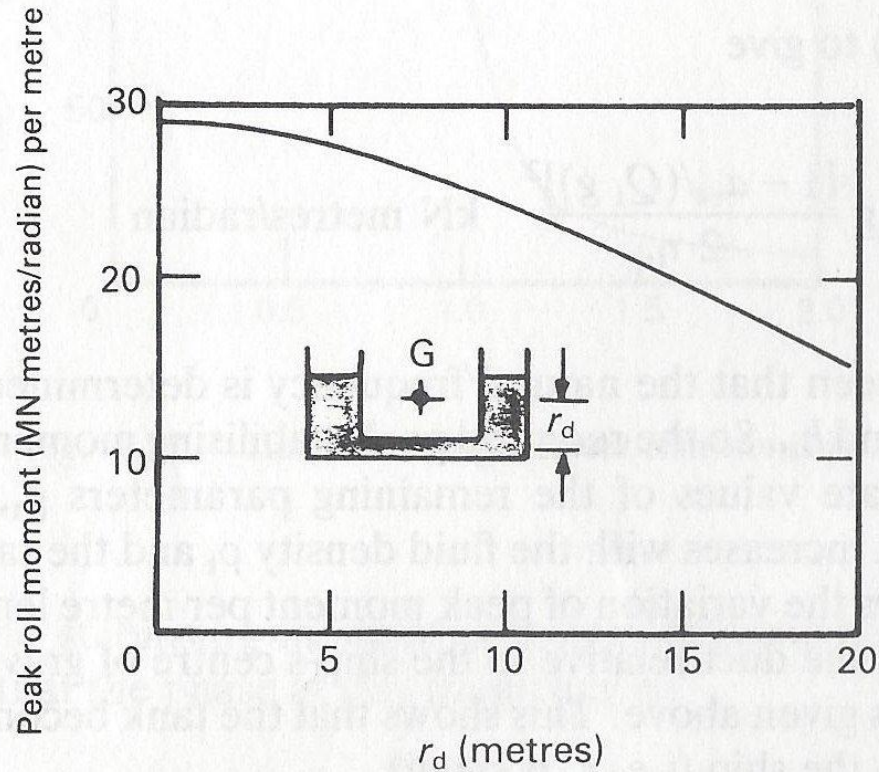


Fig. 18.39 — Effect of tank location on peak stabilising moment.

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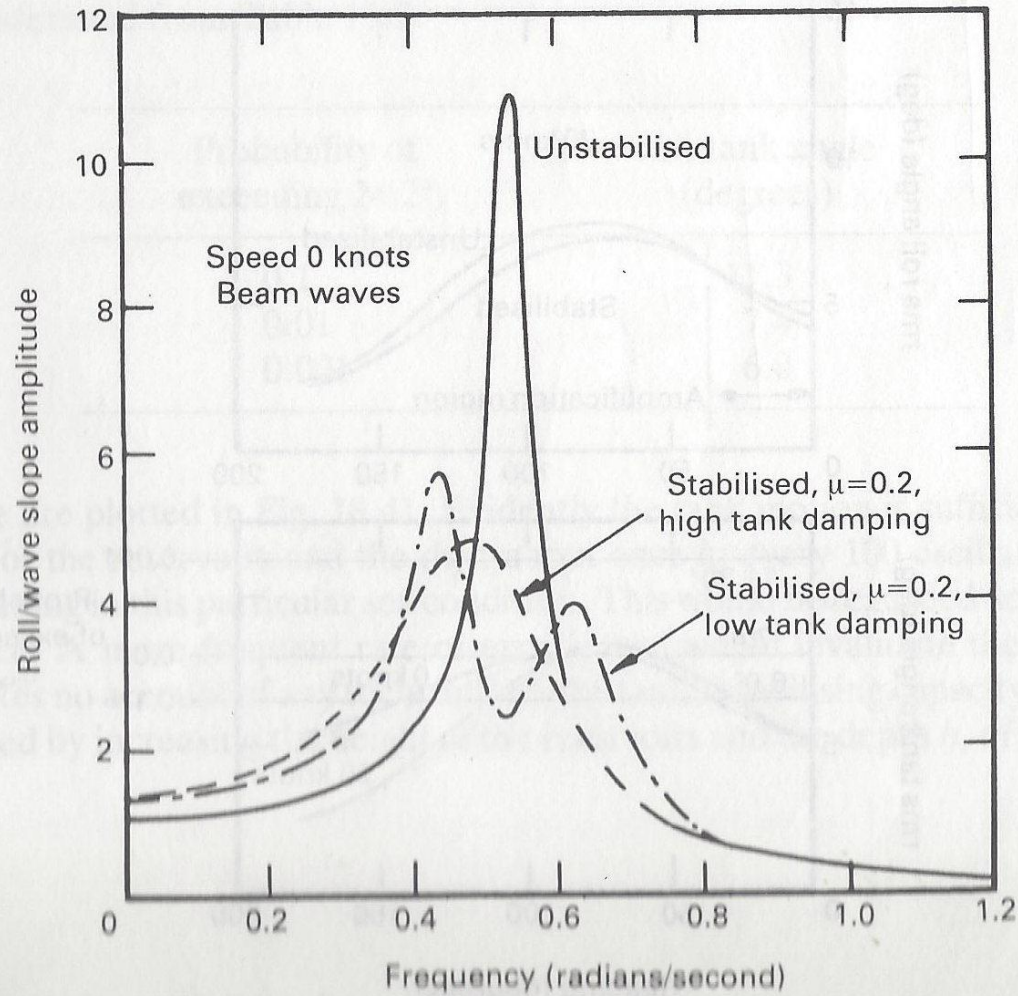


Fig. 18.40 — Typical roll transfer functions showing effect of passive tank damping.

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