

Fig. A-26 Effects of ballast water transfer on righting arm curves (calculation)

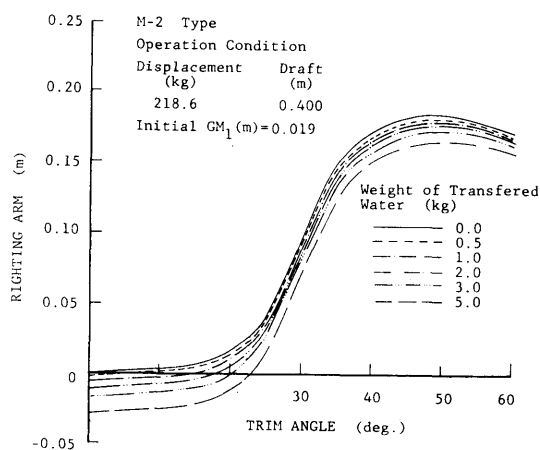


Fig. A-27 Effects of ballast water transfer on righting arm curves (calculation)

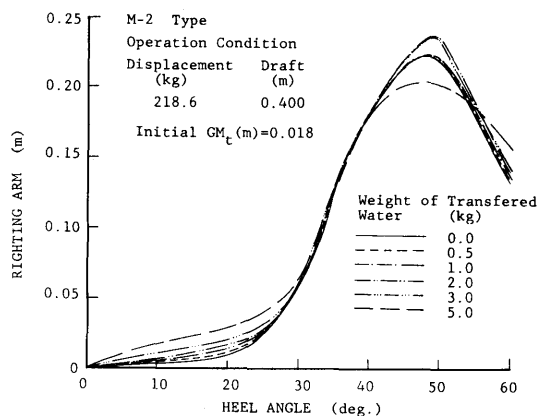


Fig. A-28 Effects of ballast water transfer on righting arm curves (calculation)

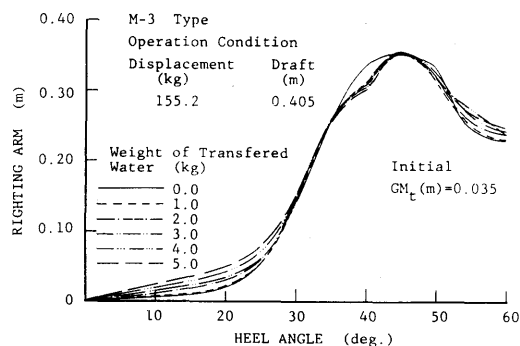


Fig. A-29 Effects of ballast water transfer on righting arm curves (calculation)

### (3) 区画浸水の影響

セミサブリグの稼動時の想定喫水に対し、コラム部一区画またはローハル区画に浸水させた時の復原力曲線を計算した。なお、計算方法はM1模型は浸水量に相当した量の浮力が消滅したと仮定する方法で行ない、M2およびM3模型では、浸水量と同量の荷重が浸水個所に付加したと仮定して行なった。

なお、コラム浸水個所はM1模型はFig. 4.13の第一コラムの第二セクションに、M2模型およびM3模型では、前途のFig. 3.2およびFig. 3.3で示した模型概要図の最後部右のコラム1本を浸水区画とした。

ローハルへの浸水個所は、M1、M2およびM3模型とも、Fig. 4.13に示す様に1本のローハル最前部外側の区画に浸水させた。

ローハル部の浸水時の復原力曲線を、M1模型ではFig. A-30に、M2模型ではFig. A-31、A-32に、M3模型ではFig. A-33、A-34に各々を示す。

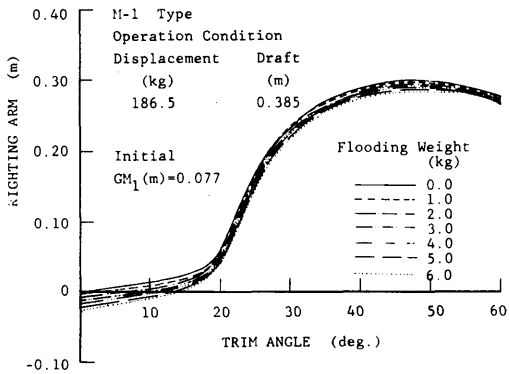


Fig. A-30 Variations of righting arm curves due to flooding into the compartment of a lowerhull (calculation)

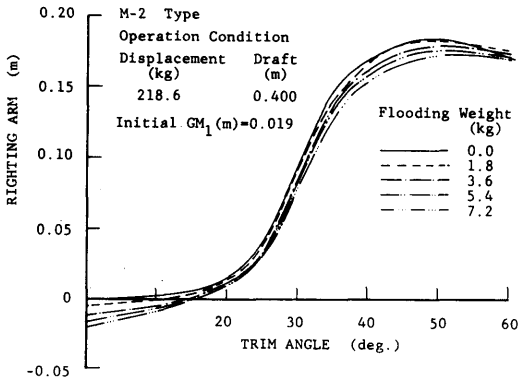


Fig. A-31 Variations of righting arm curves due to flooding into the compartment of a lowerhull (calculation)

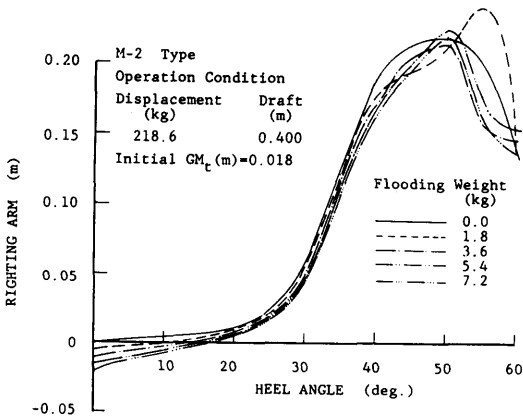


Fig. A-32 Variations of righting arm curves due to flooding into the compartment of a lowerhull (calculation)

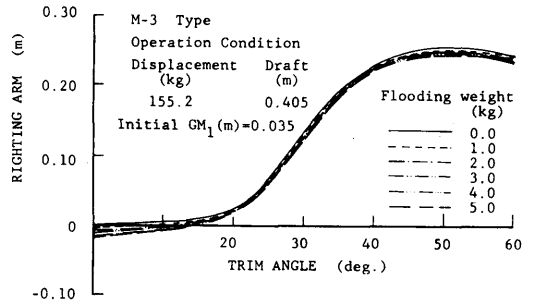


Fig. A-33 Variations of righting arm curves due to flooding into the compartment of a lowerhull (calculation)

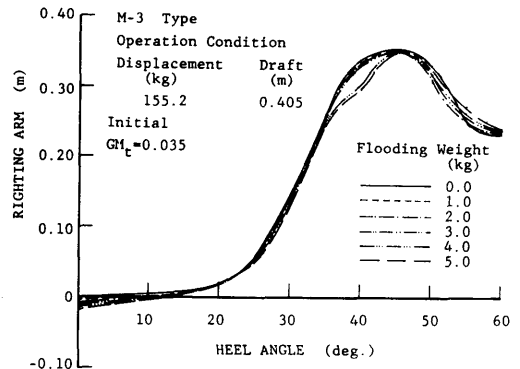


Fig. A-34 Variations of righting arm curves due to flooding into the compartment of a lowerhull (calculation)

また、コラム部の浸水時の復原力曲線を、M1模型では Fig. A-35に、M2模型では Fig. A-36、A-37に、M3模型では Fig. A-38、A-39に各々を示す。

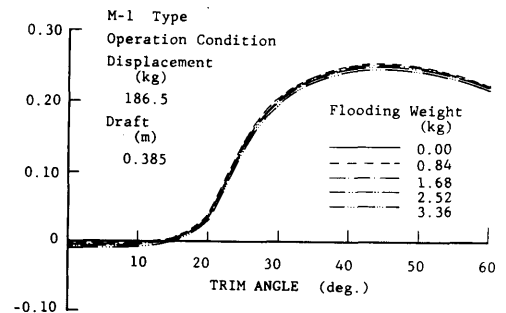


Fig. A-35 Variations of righting arm curves due to flooding into the compartment of a column (calculation)

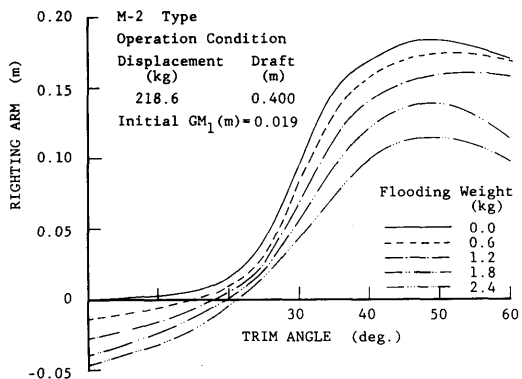


Fig. A-36 Variations of righting arm curves due to flooding into the compartment of a column (calculation)

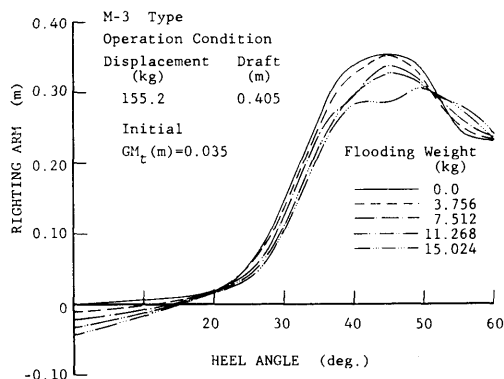


Fig. A-39 Variations of righting arm curves due to flooding into the compartment of a column (calculation)

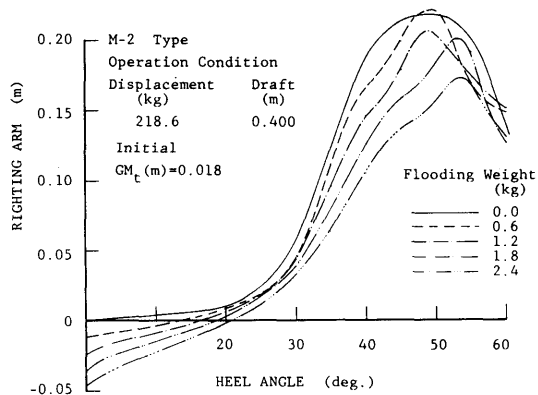


Fig. A-37 Variations of righting arm curves due to flooding into the compartment of a column (calculation)

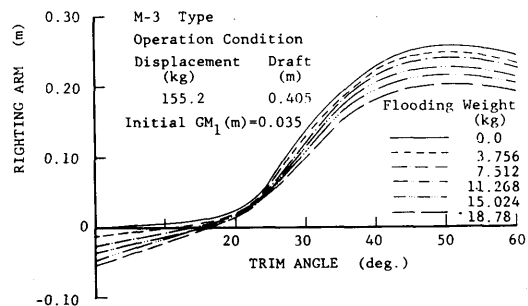


Fig. A-38 Variations of righting arm curves due to flooding into the compartment of a column (calculation)