

LAUNCH模块介绍

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实现的功能

■ 下水计算

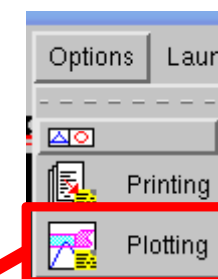
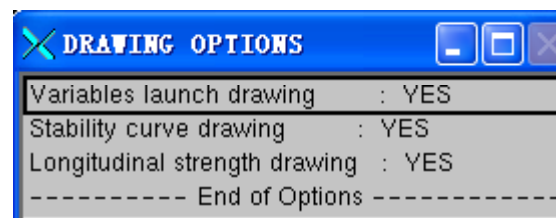
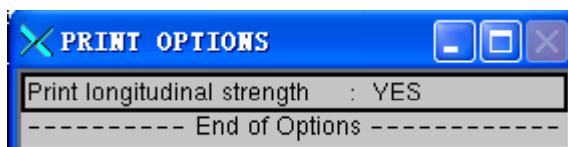
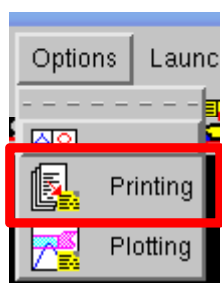
选项设置

■ 执行Options->Printing命令

- Print longitudinal strength: 报告中是否包含总纵强度的数据

■ 执行Options->Plotting命令

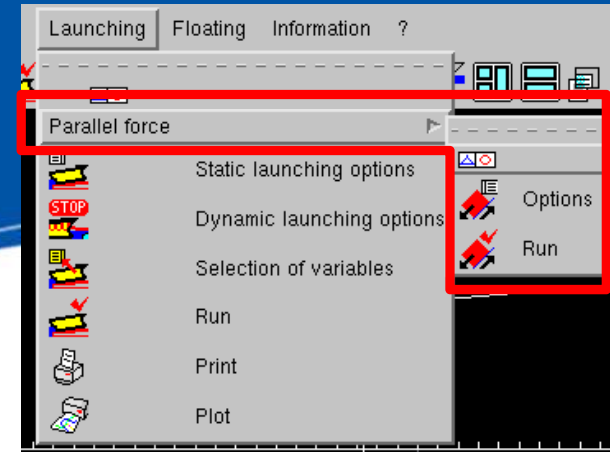
- Variables launch drawing: 是否产生下水的数据图纸
- Stability curve drawing: 是否产生稳性计算的曲线图纸
- Longitudinal strength drawing: 是否产生总纵强度的图纸



台基的定义

■ 步骤

- 1) 执行Launching->Parallel force->Options命令
 - Environment temperature: 环境温度
 - No. SUPPORT: REACTION和EFFECTIVE AREA:
定义台基的承受力和有效面积
- 2) 执行Launching->Parallel force->Run命令



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OPTIONS FOR PARALLEL FORCE CALCULATIONS

Environment temperature : 20.00 C 1/1

Number of defined supports : 0

No. SUPPORT	REACTION(T)	EFFECTIVE AREA (M2)
1	0.00	0.000

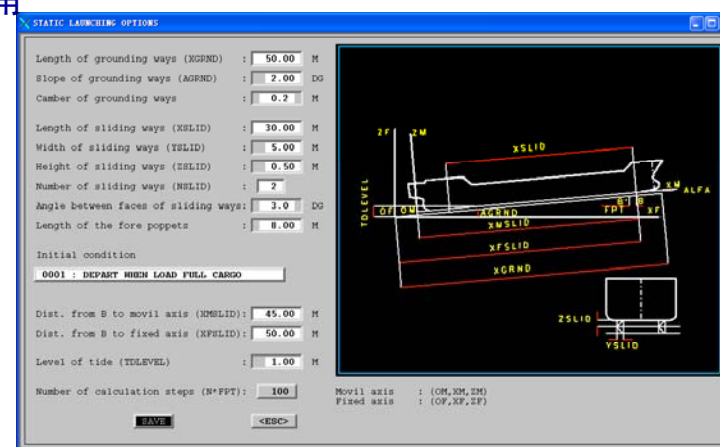
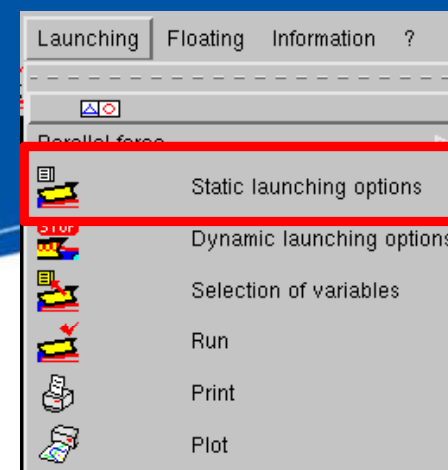
FILE NAME: [] READ WRITE

SAVE <ESC> DEL

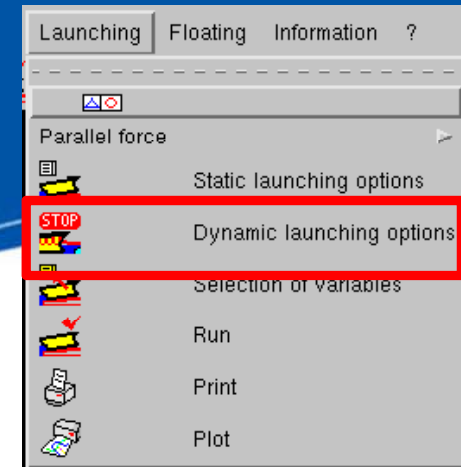
静态下水计算的设置

■ 执行Launching->Static launching options命令

- Length of grounding ways (XGRND) : 滑道的长度
- Slope of grounding ways (AGRND) : 滑道与水平面的倾角
- Camber of grounding ways: 滑道的梁拱
- Length of sliding ways (XSLID) : 滑板的长度
- Width of sliding ways (YSLID) : 滑板的宽度
- Height of sliding ways (ZSLID) : 滑板的高度
- Number of sliding ways (NSLID) : 滑板的个数
- Angle between faces of sliding ways: 滑板间的角度
- Length of the fore poppets:
- Initial condition: 下水时的船的状态
- Dist. from B to movil axis (XMSLID) : 从B点到移动开始点的距离
- Dist. from B to fixed axis (XFSLID) : 从B点到下水点的距离
- Level of tide (TDLEVEL) :
- Number of calculation steps (N*FPT) : 下水计算的步骤步数



动态下水计算的设置



■ 执行Launching->Dynamic launching options命令

➤ Starting to stop the ship: 停止船的距离

➤ Method to stop the ship: 停止船的方法

共三种方法: NONE、CHAIN DRAGS、PAITERS

➤ LUBRICANT COEFFICIENT OF FRICTION: 润滑剂摩擦系数

➤ NORMAL AREA TO MOVEMENT: 滑动的区域

DYNAMIC LAUNCHING OPTIONS

Starting to stop the ship : 0.00 M

Method to stop the ship: NONE

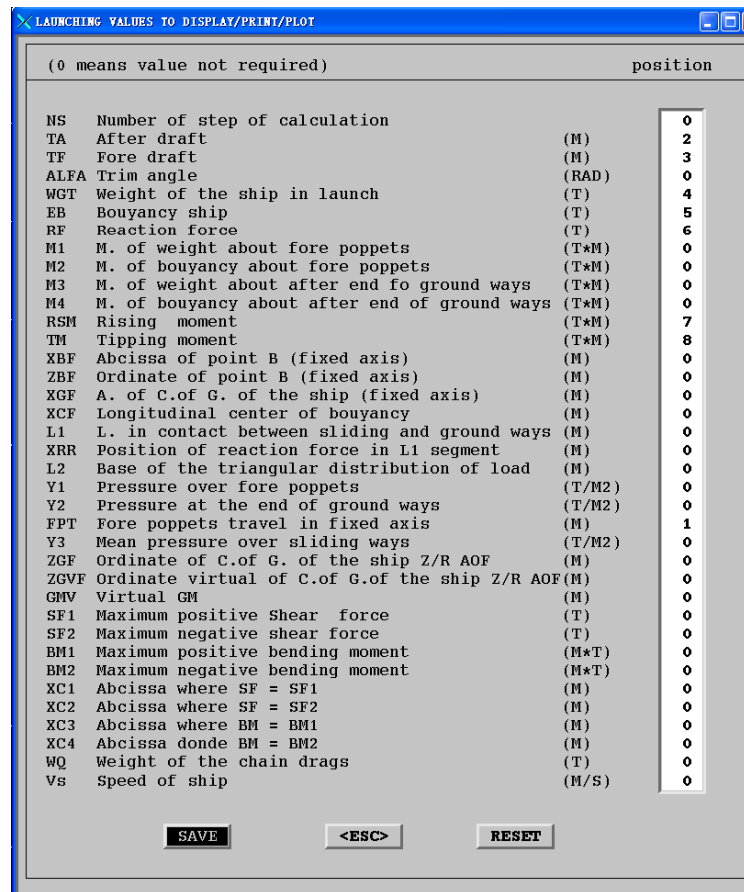
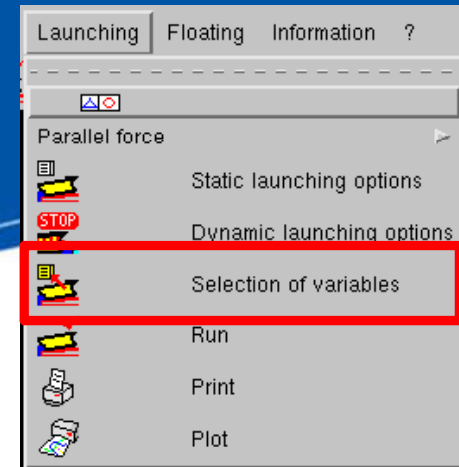
LUBRICANT COEFFICIENT OF FRICTION
Method of frictional coef calculation: CALLOU: $f = .07 / \sqrt{p}$

NORMAL AREA TO MOVEMENT.
There are normal areas defined : NO

SAVE <ESC>

参数的选择

- 执行Launching->Selection of variables命令：
选择必要的参数



运行下水计算

- 执行Launching->Run命令：运行下水计算
- 执行Launching->Print命令：产生.lis格式的报
- 执行Launching->Plot命令：产生.d格式的图

