

命令模式

FSMFloor FSM | OFF | n

Establishes an overall minimum free surface moment.

设定一个全局最小自由液面矩。

FSMFloor ["contents"] = FSM | OFF | n

Establishes a minimum free surface moment value which is to be applied to the total free surface moment of all tanks having the indicated contents.

设定一个最小自由液面矩值，使每个拥有指定舱容物质舱室的总自由液面矩等于这个值。

FSMFloor [/PRINT]

Displays minimum free surface moment values.

显示最小自由液面矩值。

参数说明

FSM

Uses the total free surface moment in the current condition as the value for the minimum.

使用当前状态的总自由液面矩作为最小值。

OFF

Uses zero as the minimum. This is the same as using n=0, except FSMFLOOR OFF also zeros the separate minimum FSM for each contents name unlike FSMFLOOR 0.

设定最小值为 0，这等同于 n=0，除了 FSMFLOOR OFF 之外，与 FSMFLOOR 0 不同，每个内容名称的单独最小 FSM 也归零。

n

Uses the given value n as the minimum.

设定最小值为指定值。

"contents"

Specifies the tank contents for which the minimum free surface moment is to be established. An asterisk may be used for all contents, but "wild cards" are not allowed.

指定舱室舱容，设置对应舱室的最小自由液面矩。可用星号表示适用于所有舱室，但是“通配符”不可用。

/PRINT

Prints the report to the current output device instead of to the screen.

通过当前输出设备打印报告，而不是显示在屏幕上。

Operation

操作

The minimum free surface moment (or FSM "floor") serves to guarantee that at least a certain amount of free surface will be counted regardless of the condition of the tanks. It can be used even when no tanks are in the model.

最小自由液面矩保证在任何舱室装载下，计算中都会考虑一定数值的自由液面。即使模型中没有舱室，也仍然适用。

A separate minimum FSM is maintained for each different contents name in addition to an overall minimum FSM.

除了设置全局最小自由液面矩外，每种不同舱容都可单独指定一个最小自由液面矩。

In finding a total free surface moment, the program first sums the FSM values for all tanks of each contents, increasing the values whenever they are less than the minimum values established for the contents. It then checks this sum against the overall minimum FSM and increases it to that value if the sum is less.

为了得到全局自由液面矩，系统首先会把所有舱室的每种舱容物质的自由液面矩值进行加权；如果这个值小于舱容物质所设置的最小自由液面矩，则使其取大者。然后系统会再次把加权值和指定全局最小自由液面矩进行比较，使其取大者。

Default values, in effect before the FSMFLOOR command is issued, are zero for all minimum FSMs.

在指定命令 FSMFLOOR 之前，所有最小自由液面矩默认为 0。

Display Output

显示输出

Display mode occurs when FSMFLOOR is issued without parameters, in which case the value currently assigned to each contents type as well as the overall value is displayed on the screen.

当输入命令 FSMFLOOR，且不带任何参数时，则当前设置的对应每种舱容类型以及全局的最小自由液面矩将显示在屏幕上。

Nondisplay Output

非显示输出

none.

无

Examples

样例

Specifying a fixed free surface moment to be used in place of FSM derived from tanks:

指定一个固定自由液面矩，使其替代用舱室计算出的自由液面矩：

FSMMT (*) = 0

FSMFLOOR = 1234

Establishing a minimum FSM for all tanks containing fuel oil and making it equal to the maximum FSM of tank FO1.C:

为所有含有燃油的舱室设定最小自由液面矩，并使其值等于 FO1.C 舱室的最大自由液面矩：

FSMMT (FO1.C) = MAX

FSMFLOOR "FO" = FSM

Displaying (on the screen) the present minimum FSM values:

屏幕显示当前最小自由液面矩：

FSMFLOOR

Setting all minimum FSM values to zero:

把所有最小自由液面矩设置为 0：

FSMFLOOR OFF