

命令模式

TAnks tanklist [/ENDs:l1,l2] [/INboard: i [@l1 ... in@ln] | offset.complist]
[/OUTboard: o] [@l1 ... in@ln] | offset.complist]
[/BOTtom: b[@l1 ... in@ln]] [/TOP: t[@l1 ... in@ln]] [/FLD]

Sets the current tank selection. (Similar to PARTS tanklist.)

选定列表中的舱室（和 PARTS tanklist 相似）

TAnks OFF

Turns off the current tank selection. (Similar to PARTS OFF.)

关闭当前选择的舱室。（和命令 PARTS OFF 相似）。

TAnks

Produces a report listing all tanks. (Same as PARTS /TANK.)

生成舱室列表报告（和 PARTS /TANK 相同）

TAnks (tanklist) INtact | FRozen | SPilling | FLooded | etc.

Sets the type for one or more tanks. (See TYPE command for parameter explanations.)

设定单个或多个舱室的状态类型（查看 TYPE 命令对参数的解释）。

TAnks (tanklist)

Displays the types for one or more tanks. (Same as TYPE (tanklist).)

显示所选舱室类型（和 TYPE (tanklist)作用相同）。

TAnks (tanklist) SHearcf: correction [,correctaft] [/DELTA]

Sets the shear correction factor for one or more tanks.

设定选定舱室的剪力修正系数。

参数说明

tanklist

The name (or names) of one or more tanks. A tank name may end in an asterisk to represent all tanks whose names have the same beginning.

单个或多个舱室的名称。名称可以用部分开头字母加*号的方式表示选中开头字母相同的所有舱室。

/ENDS: l1, l2

Excludes tanks lying entirely outside the longitudinal coordinate range from l1 to l2.

排除完全位于纵向位置 l1 到 l2 的以外的舱室。

/INBOARD: i [@ l1, ..., in @ ln]

Excludes tanks lying entirely port of transverse coordinate i or optional transverse function at longitudinal locations (which may be derived from offset, complist). If /INBOARD is missing but any other exclusion is present, then /INBOARD: 0 is assumed to exclude portside tanks.

不包括完全位于横向坐标 i 端口或纵向位置可选横向向内的舱室(可能来自型值表、complist)。如果省略参数/INBOARD, 会有其它的排除方式。/INBOARD: 0 表示排除位于左舷的舱室。

/OUTBOARD: o [@ l1, ..., on @ ln]

Excludes tanks lying entirely starboard of transverse coordinate o or optional transverse function at locations (may derive from offset, complist).

不包括完全位于横向坐标 o 端口或纵向位置可选横向向外的舱室(可能来自型值表、complist)。

/BOTTOM: b [@ l1, ..., bn @ ln]

Excludes tanks lying entirely below vertical coordinate b or vertical function at locations.

排除完全位于垂向坐标 b 以下的舱室。

/TOP: t [@ l1, ..., tn @ ln]

Excludes tanks lying entirely above vertical coordinate t or vertical function at location.

排除完全位于垂向坐标 t 以上的舱室。

/FLD

Includes only the tanks in tanklist that are not currently FLOODED or DAMAGED but do have unprotected FLOOD critical points below the current external waterplane; i.e. there are critical points with FLOOD status that reference the tank in their /TANK parameters. (Unprotected FLOOD critical points would be those that have no /INSIDE tank, or if they are inside a tank it is currently FLOODED or DAMAGED.)

只包含舱室列表中那些目前没有进水或破损但位于当前水面以下含有未保护进水点的舱室, 即该舱室的进水点出处在 FLOOD 状态。(未保护的进水点是指无完整舱室或所在舱室已经浸水或破损)。

SHEARCF: correction [,correctaft]

Specifies shear correction factor (from 0 to 1). If two factors are given, the first applies to the forward half and the second to the aft half of each tank (use 0 to correct only the other half).

指定切力校正因子(从 0 到 1)。如果给出两个因子, 第一个因素适用于每个舱室的前半部分, 第二个因素适用于每个舱室的后半部分(使用 0 仅校正另一半)。

/DELTA

Uses shear correction delta magnitudes in current weight units (not factors).

在当前重量单位(非因子)中使用剪切力修正正增量幅度。

Operation

操作

If only the tanklist parameter is given, TANKS is closely related to the PARTS command, the difference being that non-tank parts cannot be specified with the TANKS command. The current tank selection is set to the given tank name(s). The current tank is the object, by default, of several commands (such as LOAD and CONTENTS). The

names of the current tanks are shown on the bottom line of the screen. If OFF is used in lieu of a tank name, the current selection is turned off, so no tank is selected.

如果只给定舱室列表，命令 TANKS 和命令 PARTS 相似，区别在于 TANKS 命令不能选定非舱室子模型。当前选定的舱室为给定的舱室列表，命令 LOAD 和 CONTENTS 等会默认使用此舱室。当前选定的舱室名称会显示在屏幕的底部。如果舱室后加 OFF,表示关闭当前的选定舱室，当前无舱室选定。

If no parameters are given, then all tanks are reported (identical to PARTS /TANK).

如果此命令不附加任何的参数，会报告显示所有的舱室。（和 PARTS /TANK 作用相同）。

If the tanklist parameter appears in parentheses, then operation is identical to the TYPE command (unless the SHEARCF parameter is given to set the shear correction factor).

如果此命令后的舱室参数被括号括起，那么此操作和命令 TYPE 相同。（排除使用参数 SHEARCF 定义剪应力修正系数）。

As a means of determining which tanks would become flooded in a progressive flooding study, the /FLD parameter can be used to conveniently advance to the next stage of promgressive flooding. For exaple,

在渐进进水的过程中，利用此方法决定某个舱室进水。可以用参数/FLD 方便地推进到渐进进水的下一阶段，例如：

```
SOLVE
TANKS * /FLD
TYPE FLOOD
TANKS OFF
```

Here, the TANKS command selects those tanks that would be newly flooded in the current SOLVEd condition. Then the TYPE command actually changes the type of those particular tanks.

此处，命令 TANKS 选择当前求解下新进水的舱室，然后利用 TYPE 命令，改变这些舱室的类型。

Display Output

显示输出

Output is identical to the corresponding PARTS or TYPE command.

和命令 PARTS 或 TYPE 的输出类似。

Nondisplay output:

无显示输出

none.

无

Examples

样例

Listing all tanks:

列表所有舱室:

TANKS?

Selecting all tanks beginning with "FO":

选择所有名称以 FO 开头的舱室:

TANK FO*

Selecting tanks intersecting location range 0 to 100f (except for portside tanks):

选择在 0 到 100f 范围内的舱室（除了右舷舱室）。

TANK * /ENDS: 0, 100f

Selecting tanks intersecting above a location-based floor function:

选择在基于位置的船底上方相交的舱室

TANK * /BOTTOM: 15 @ 50a, 5 @ 20a, 5 @ 20f, 15 @ 50f /IN: 999p

Selecting tanks not entirely 2.5 inboard of HULL\HULL.C's starboard waterline:

选择船舶右舷不完全是 2.5 舷内的舱室:

TANK * /IN: 2.5s, HULL\HULL.C

Turning off the tank selection:

关闭舱室选择

TANK OFF

Damaging a compartment:

使某舱室破损:

TANK(CMPT1) FLOODED

Displaying tank types:

显示舱室类型

TANK (*)

Setting shear correction factor for hold tanks:

设定 HOLD 舱室的剪应力修正系数:

TANK (HOLD*) SH: 0.45