## 命令模式

**HEIght (n) = [\*±] h [/WAVe]**

Sets the level of the waterplane using the distance (i.e. freeboard) from a critical point, optionally relative to the point's current height.

以某关键点为基点，以相对于此关键点的高度（即干舷）来定义水面。

**HEIght (n) varname /ACCESS [/WAVe]**

Accesses the current height of a critical point into the named variable.

将某关键点的当前距离水面的高度赋值给制定的变量。

**HEIght (n)**

Displays the current height of a critical point.

显示某关键点，当前距离水面的高度。

## 参数说明

**(n)**

The number of an existing critical point (see the CRTPT command).

关键点的序号。（参看 CRTPT 命令）。

**h**

The distance of the $n^{th}$ critical point to the waterplane in a direction perpendicular to the waterplane not including wave height. The freeboard relative to this point. Since it is a measurement perpendicular to the waterplane, the critical point height is valid even at extreme trim and heel angles (See the DEPTH and DRAFT commands).

第 n 个关键点到水面的垂直距离，不考虑浪高。即相对于此点的干舷。关键点的高度是到水面的垂直距离，因此在极大的横倾和纵倾角条件下，也是有效的(参看 DEPTH 和 DRAFT 命令)。

**/WAVE**

Includes any wave effect in point heights; by default, waves are not included.

包括点高度中的任何波浪效应；默认情况下，不包括波浪效应。

**varname**

The name of the variable (declared by the VARIABLES command) accessing height.

将高度赋予变量（变量通过 VARIABLES 命令定义）。

**/ACCESS**

Accesses a Critical Point's height without changing the waterplane level.

保证水线面不变的情况下，赋予浸水点的高度值。

**Operation**

操作

The HEIGHT command can be used to set the waterplane level by entering the distance measured from a defined critical point.   Alternatively, it may be set relative to its current value using the form *±h.

HEIGHT 命令可以通过设定距离关键点的高度来定义水面的位置。还可以通过与当前位置的相对高度*±h 来设定。

The depth is set, holding heel and trim constant.   Only the HEIGHT, DEPTH or DRAFT commands can change the depth if it is fixed (see the FIX command).

在保持横倾和纵倾不变的条件下，设定深度。当深度被锁定时，只有 DEPTH, DRAFT 或 HEIGHT 命令可以改变深度。（参看 FIX 命令）。

Changing depth upsets weight/displacement equilibrium, which can be restored by changing the weight, such as by issuing a SOLVE WEIGHT command.

改变深度就打破了原来的重量/排水量平衡，可以通过重新定义船舶重量使平衡恢复，例如用命令 SOLVE WEIGHT 求解新的船舶重量。

The current height of the $n^{th}$ critical point relative to the waterplane can be displayed by using either HEIGHT (n) or the STATUS CRTPT command.

命令 HEIGHT (n)  或命令 STATUS CRTPT  可以显示 n 号关键点相对于水面的高度。

## Output

## 输出

The current critical point height is displayed to the screen by HEIGHT (n).

屏幕显示 n 号关键点的高度。

## Nondisplay Output:

## 无输出显示

none.

无

## Examples

## 样例

Defining the waterplane with given trim and heel such that the 2nd critical point is 4.5 feet above the water:

在指定的纵倾和横倾下，定义水面位置，使得 2 号关键点距离水面以上 4.5：

    HEEL 1.5p

    TRIM 1.0f

    HEIGHT(2) 4.5

Setting the depth so the height of the 2nd critical point is increased by one foot:

定义水面位置，使得 2 号关键点距离水面高度增加 1：

**HEIGHT(2) \*+1**

Accessing the height of the 2nd Critical Point:

赋予 2 号浸水点高度值：

**VARIABLE CRTHT**

**HEIGHT(2) CRTHT /ACCESS**

定义水面位置，使得 2 号关键点距离水面高度增加 1：