

## 命令模式

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ANGles  $\phi_1, \dots, \phi_n$

Defines a series of heel angles to be used by commands like RA, MAXVCG and CC.

定义一系列横倾角度，为其他命令所用。比如命令：RA, MAXVCG, CC。

ANGles \*

Reverses the sign of the currently-defined angles if different from the current heel direction.

如果定义的横倾角度方向与当前船舶实际横倾方向相反，那么将定义的横倾角度方向反转。

ANGles

Displays the currently-assigned angles to the screen.

屏幕显示当前定义的横倾角度。

## 参数说明

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$\phi_1, \dots, \phi_n$

A series of heel angles.

一系列横倾角度。

## Operation

### 操作

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The given angles are stored for later use. They must be monotonic and spaced  $0.1^\circ$  or more apart.

为后面计算使用而设置指定的横倾角度。设置的数据必须单调，且角度间步长大于等于  $0.1^\circ$ 。

When the program begins, the angles are defined at every  $5^\circ$  from  $0^\circ$  to  $60^\circ$  (starboard heel).

当程序开始计算时，定义角度范围为  $0^\circ$  到  $60^\circ$ ，步长为  $5^\circ$ （默认右倾）。

The special form "ANGLES \*" has the effect of reversing the signs of the currently-defined angles if the last angle has a sign differing from the current heel direction. Thus you can cause your heel angles to go in the same direction that the vessel is currently tending toward. Note that ANGLES \* is not a modal setting. Each time the angles direction should be set to match the current heel direction, a separate ANGLES \* command must be given.

如果定义角度的倾斜方向与当前船舶实际横倾方向相反，命令 ANGLES \* 可以使定义的角度反转。这样可以使计算横倾角度方向和当前船舶实际倾斜方向一致。注意 ANGLE \* 并不是一个动态的设置，每次计算都要应用命令 ANGLE\*，以确保倾斜角度方向和当前船舶实际倾斜方向一致。

## Display Output

### 显示输出

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Display mode is activated when no parameters are given. In this case the currently-defined angles are shown on the screen only.

没有给定参数的情况下，会激发显示模式，且仅在屏幕上显示当前定义的角度。

## Nondisplay Output

### 非显示输出

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none.

无

## Examples

### 样例

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Displaying the currently-assigned angles:

显示当前定义的角度。

**ANGLES**

Setting the angles to a favorite sequence:

按照所需的序列定义角度。

**ANGLES 0 7.5 ... 30 35 40 50 ... 90**

Making sure the direction of the righting arm curve matches the current heel direction:

确保回复力臂曲线方向符合当前船舶实际横倾方向。

**ANGLES \***

**RA**