命令模式

UNits LT | ST | KP | LB | MT | KN | KG | M | F
Specifies the weight and length units to be used.

指定重量或长度单位。

UNits SAVE
Saves the current units setting.

保存当前的单位设置。

UNits RESTore
Restores the units saved by the last UNITS SAVE command.

恢复使用通过命令 UNITS SAVE 最后保存的单位设置。

参数说明

LT - Long Tons & feet.
LT-长吨&英尺

ST - Short Tons & feet.
ST-短吨&英尺

KP - Kilopounds & feet.
KP-千磅&英尺

LB - Pounds & feet.
LB-磅&英尺

MT - Metric Tons & meters.
MT-公吨&米

KN - KiloNewtons & meters.
KN-千牛&米

KG - Kilograms & meters.
KG-千克&米

M - Meters & Metric Tons or Kilograms.
M-米&公吨或千克

F - Feet & Long Tons or Pounds.
F-英尺&长吨或磅

Operation

操作

When the program reads a Geometry File, it may find a "Units Preference" indicating meters or feet. In the absence of such an indication, feet are assumed. Next, the size of the vessel determines whether large or small weight units are appropriate. The

resulting units choice is what appears immediately after the geometry information is loaded.

当程序读取几何模型文件时，会出现"Units Preference"，显示使用的单位为米或英尺，如果缺省，那么默认采用英尺为单位。船舶的大小决定应用或大或小合适的重量单位。读取几何模型后，会立刻显示出所采用单位的信息。

The units specified by the UNITS command become the current units, overriding any prior units selection. All input and output units are governed by the current units selection. The bottom line of the screen shows what the current units selection is.

UNITS 命令定义的单位会成为当前使用的单位，将取代之前定义的任何单位。任何的输入和输出都将采用当前的单位。屏幕的下缘会显示当前使用的单位。

If the vessel is so large that pounds or kilograms might yield numbers too large for the space available to display them, the program will reject a command to switch to those units.

如果船舶尺寸很大，导致采用单位磅或千克表示时会形成非常大且没有足够空间显示的数值，程序将拒绝使用此单位而选用其它的单位。

The M and F parameters switch to metric or non-metric, keeping weight units commensurate with what they were; i.e. long tons goes to metric tons and vice versa; pounds goes to kilograms and vice versa.

参数 M 和 F 可以使单位在公制或英制间切换，保持所使用的单位和实际相符。例如：长吨转换为公吨，磅转换为千克，反之亦然。

KiloNewtons are mainly applicable to Longitudinal Strength and should not ordinarily be used for other reports. When KN are in effect, the units for Section Modulus become meters cubed and the stress and elasticity modulus parameters on the LS command become MegaPascals (1 MP = 1000 KN/M^2).

单位千牛主要适用于表示总纵强度，通常别的报告很少使用此单位。当使用千牛做单位时，剖面模数的单位为立方米，应力和弹性模量的单位为兆帕 MP(1 MP = 1000 KN/M^2)。

In addition to the one- and two-letter abbreviations listed above, the UNITS command will accept the full weight units descriptions (eg. LONG TONS) saved from the WUNIT variable (see the VARIABLES command). This allows switching to known units then back to current units without knowing what the current units are. UNITS SAVE and UNITS RESTORE are an easier way to do the same thing.

除了上面列举的简写单位外，命令 UNITS 也会接受 WUNIT 定义的长的单位描述，如 LONG TONS。（查看命令 VARIABLES）。在不知当前所使用单位的条件下，可以把当前单位切换到指定的单位，然后也可以回到当前的单位，这可以通过命令 UNITS SAVE 和 UNITS RESTORE 来实现。

Output:

输出：

none.

无

Examples

例子

Switching to short tons & feet:

切换到单位短吨&尺

UNITS ST

Switching to metric and back to current units:

单位切换到公制单位然后再切换到当前单位。

UNITS SAVE

UNITS M

LIMIT AREA FROM 0 TO 30 > 0.055

UNITS RESTORE