命令模式

HS [d1, ..., dn] [/TRUEFSM] [/G | /KM]
   Computes and displays hydrostatic properties at one or more origin depths using the current heel, trim, damage condition and wave.

   在当前横倾，纵倾，破损情况和波浪的条件下，计算并显示单个或多个原点深度的静水力。

HS DIspl = w1, ..., wn
   Computes and displays hydrostatic properties at one or more displacements using the current heel, trim, damage condition and wave.

   在当前横倾，纵倾，破损情况和波浪的条件下，计算并显示单个或多个排水量下的静水力。

参数说明

d1, ..., dn
   A list of origin depths. If none are given the current origin depth is assumed. Note that origin depths always refer to the flat waterplane, even when waves are superimposed on it. When given in feet and inches, the depths display is likewise in feet and inches (see GHS command).

   一系列原点深度。如果省略原点深度，那么默认为当前浮态的原点深度。原点深度是相对于平静水面的深度,忽略波浪的叠加。如果使用了英尺及包含英寸的格式,那么输出的原点深度以ft'inch的格式显示。（参看 GHS 命令）

/TRUEFSM
   Forces true rather than formal free surface moments; applies only when no depths are given.

   实际的自由液面力矩而不是理论自由液面力矩；只是在没有给定 depth 时适用。

/G or /KM
   Makes this command the same as the GHS command, so all of the GHS parameters apply and the di values are interpreted as drafts instead of origin depths.

   此参数使 HS 命令和 GHS 命令作用相同，所有 GHS 命令的参数都适用。di 系指吃水而不是高度。

DISPL = w1, ..., wn
   A list of displacement weights. These indirectly determine the depths(s) at the current trim angle.

   一系列排水量，排水量间接地设定了在当前纵倾下的原点深度。

   See the COMPONENT command for coefficients of form and volumes.

   查看 COMPONENT 命令了解船型系数 form 和体积 volumes。

Operation

操作

HS produces a table of hydrostatic properties which are independent of the center of gravity. It places no restrictions on trim and heel.

HS 会计算出的静水力值，它与重心位置无关，且对纵倾和横倾没有限制。

If one or more depth values are given, free surface is ignored; otherwise the actual free surface is reflected in the BM values.

如果给定多个吃水，将忽略自由液面的影响，否则 BM 值将受到实际自由液面的影响。

Display Output

显示输出

HS displays origin depth, displacement weight, center of buoyancy, waterplane area, center of flotation and BMs.

命令 HS 显示原点深度，排水量，浮心位置，水线面面积，漂心位置和 BM 值。

Examples

样例

Hydrostatic properties at the current condition:

计算在当前工况下的静水力值：

HS

Making a table of hydrostatic properties at given origin depths:

根据给定的一系列原点深度生成静水力表：

HS 12 10 ... 2