

## 命令模式

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### EXTEND filename

Executes GHSX with filename.XRF as its run file.

在 GHSX 中运行扩展名为.XRF 的文件。

### EXTEND command parameters

Executes the given command and list of parameters in GHSX.

在 GHSX 中运行给定的命令和一系列参数。

### Applications

应用：

#### 1. HOPPER (requires the AF module)

Performs righting-arm calculations with simultaneous spilling and flooding.

The report includes condition graphics as well as righting-arm curves.

Access is through HOPPER.LIB and documentation is provided by HOP.LIBINFO:

在同时泄漏和进水的条件下计算回复力臂。报告包括工况图和复原力臂曲线。通过 HOPPER.LIB 实现计算，并通过 HOP.LIBINFO 提供报告：

```
RUN HOPPER.LIB /CALL
```

```
.HOP.LIBINFO
```

The Conditions wizard HOPPER is available for more convenient access.

可以通过 HOPPER wizard 来实现更方便的计算。

#### 2. BONJEAN (requires the AF module)

Writes a bonjean data table. Access is directly through the EXTEND command:

输出邦金数据 bonjean 表格。可以通过 EXTEND 命令实现计算：

```
EXTEND BONJEAN [dinc [,d1 [,d2]]] [,NLOC:nstas [,STA]] [,LOC: fwd,aft]
```

## 参数说明

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### dinc

The draft increment between rows.

指定吃水的间距。

### d1 [,d2]

The starting and optional ending drafts to be reported. If d1 is less than d2, the table goes from low to high, otherwise from high to low (which is the default if d2 is not present).

报告起始和结束的吃水。如果 d1 小于 d2，表格输出为从低到高，否则从高到低（如果 d2 不出现，默认从高到低）。

### NLOC: nstas [,STA]

Specifies the number of station columns. If STA is present, then station numbers are always shown in column headers even when a frame name exists at a column location.

指定计算站的个数。如果出现 STA，那么即使在某列的位置存在肋位号，也会始终在列头显示站号。

LOC: fwd, aft

Specifies the forward and aft station locations.

指定船舶首尾的坐标位置。

## Operation

### 操作

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The current geometry file and environment are communicated to GHSX by means of a temporary file. Then GHSX either takes its commands from the given .XRF run file or else directly executes the given command. If only one word follows the EXTEND command, it is assumed to be the name of the .XRF file in the program directory. Otherwise the first word is taken to be a GHSX command followed by parameters.

通过临时文件把当前的模型文件和环境数据传送到 GHSX，然后 GHSX 运行 .XRF 文件的命令或直接运行给定的命令。如果在调用命令 EXTEND 时，后面只跟有一个单词，那么此单词默认是在程序目录中扩展名为 .XRF 的文件名。否则第一个单词被认为是 GHSX 命令，后面是其参数。

## Output

### 输出

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If a report file is open, the output is added to the report. Otherwise the output appears on the screen.

如果存在当前报告，输出会被添加到报告中，否则输出只会显示在屏幕中。

## Examples

### 样例

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Calculating hopper-vessel stability:

计算开泥驳船舶稳性:

```
RUN HOPPER.WIZCO
```

Writing a bonjean data table:

输出邦金数据 bonjean 表格:

```
EXTEND BONJEAN 0.5, 8.0, 0.0, NLOC:11, STA, LOC:94f,0
```