

## General Information

- Please add the *initial of your first name* and *your surname* + "." in the beginning of each file name. For example, if your name is John Smith, a file *fig1\_1-01.eps* should be *jsmith\_fig1\_1-01.eps*
- Please archive all of your figure files and integral data files for all cases into one zipped file. The file name should be *your first name initial* and *your surname* + ".zip". For example, if your name is John Smith, the file name is *jsmith.zip*.
- The archived file should be uploaded to the FTP server of NMRI via FTP. User account name and password are required to login the server. Please contact the organizer ( [cfdws05@nmri.go.jp](mailto:cfdws05@nmri.go.jp) ) to obtain these informations.

## Integral variables

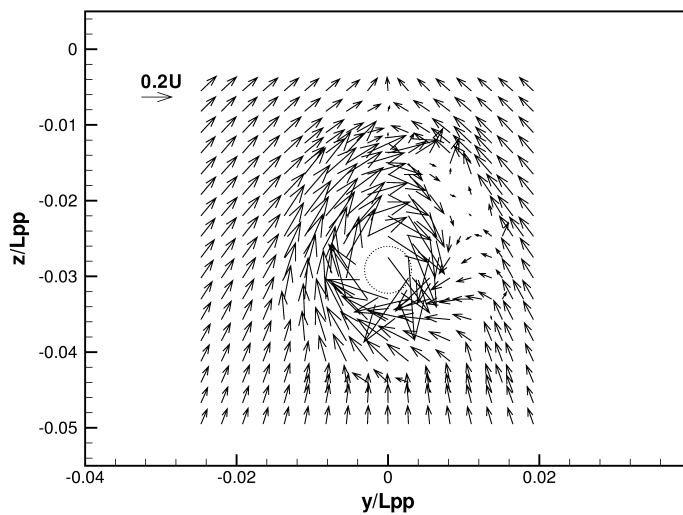
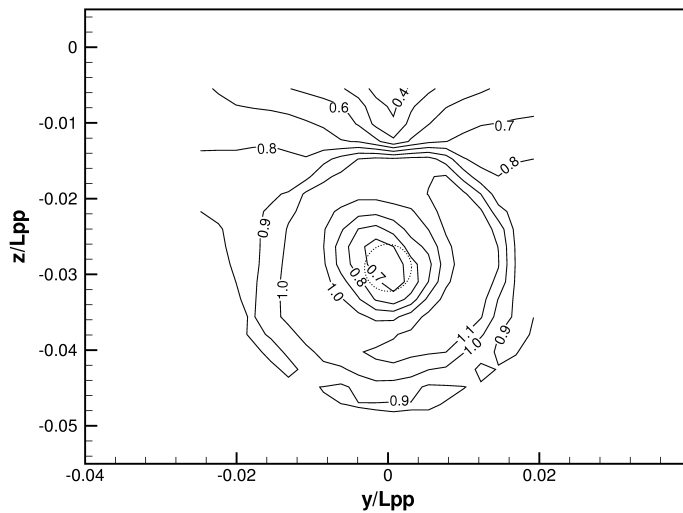
File name	int2.dat
Style	plain text

The data should be written as following format.  
The items which are not available should be left blank.

$1+k = \textit{value}$   
 $CT(TOW) = \textit{value}$   
 $CP(TOW) = \textit{value}$   
 $CF(TOW) = \textit{value}$   
 $1-W_n = \textit{value}$   
 $CT(SP) = \textit{value}$   
 $CP(SP) = \textit{value}$   
 $CF(SP) = \textit{value}$   
 $KT = \textit{value}$   
 $KQ = \textit{value}$   
 $1-t = \textit{value}$   
 $1-W_t = \textit{value}$   
 $\eta_{\text{o}} = \textit{value}$   
 $\eta_{\text{r}} = \textit{value}$   
 $J = \textit{value}$   
 $n = \textit{value}$   
 $\eta = \textit{value}$

**Fig.2-1 Axial velocity contours and cross flow vectors**  
**downstream of the propeller plane ( $x/L_{PP} = 0.4911$ )**

File name	fig2-01_wake.eps ( for contours ) fig2-01_vw.eps ( for cross flow vectors )
Axis size	80 [mm] × 60 [mm]
Horizontal-axis variable and range	$-0.04 \leq y/L_{PP} \leq 0.04$
Vertical-axis variable and range	$-0.055 \leq z/L_{PP} \leq 0.005$
Reference vector	magnitude 0.1 corresponds to 2 [mm]
Contour range and levels	$0 \leq u/U \leq 1.2$ , $\Delta(u/U) = 0.1$



**Fig.2-2 Velocity downstream of the propeller plane ( $x/L_{PP} = 0.4911$ )  
at  $z/L_{PP} = -0.03$**

File name	fig2-02.eps
Axis size	80 [mm] × 60 [mm]
Horizontal-axis variable and range	$-0.03 \leq y/L_{PP} \leq 0.03$
Vertical-axis variable and range	$-0.5 \leq u/U, v/U, w/U \leq 1.2$
Style	$u/U$ : CFD solid line; EFD open squares $v/U$ : CFD dashed line; EFD open triangles $w/U$ : CFD dotted line; EFD open circles

**Fig.2-3 Uncertainty analysis of velocity  
downstream of the propeller plane ( $x/L_{PP} = 0.4911$ ) at  $z/L_{PP} = -0.03$**

File name	fig2-03.eps
Axis size	80 [mm] × 60 [mm]
Horizontal-axis variable and range	$-0.03 \leq y/L_{PP} \leq 0.03$
Vertical-axis variable and range	$-0.1 \leq E/U, \pm U_V/U \leq 0.1$
Validation scale	Ship speed, $U$
Style	$u/U$ : E solid line; $U_V$ dashed line $v/U$ : E dash dot line; $U_V$ dotted line $w/U$ : E long dashed line; $U_V$ dash double dot line

**Fig.2-4 Hull surface pressure contours ( port side view )**

File name	fig2-04.eps
Axis size	125 [mm] × 30 [mm]
Horizontal-axis variable and range	$0.3 \leq x/L_{PP} \leq 0.55$
Vertical-axis variable and range	$-0.05 \leq z/L_{PP} \leq 0.01$
Contour range and levels	$-1.0 \leq C_p \leq 1.0, \Delta C_p = 0.01$
Style	(+) solid lines; (-) dashed lines

