

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) to obtain these informations.

Integral variables

File name	int1_4.dat
Style	plain text

The data should be written as following format:

CT = *value*

CP = *value*

CF = *value*

Usn of CT = *value*

Uv of CT = *value*

E of CT = *value*

**Fig.1.4-1 Axial velocity contours and cross flow vectors
on the propeller plane ($x/L_{PP} = 0.48$)**

File name	fig1.4-01.eps
Axis size	120 [mm] × 40 [mm]
Horizontal-axis variable and range	$-0.1 \leq y/L_{PP} \leq 0.1$
Vertical-axis variable and range	$-0.0667 \leq z/L_{PP} \leq 0.0$
Reference vector	magnitude 0.1 corresponds to 2 [mm]
Contour range and levels	$0 \leq u/U \leq 1$, $\Delta(u/U) = 0.1$
Style	u/U contours left side; $(v/U, w/U)$ vectors right side

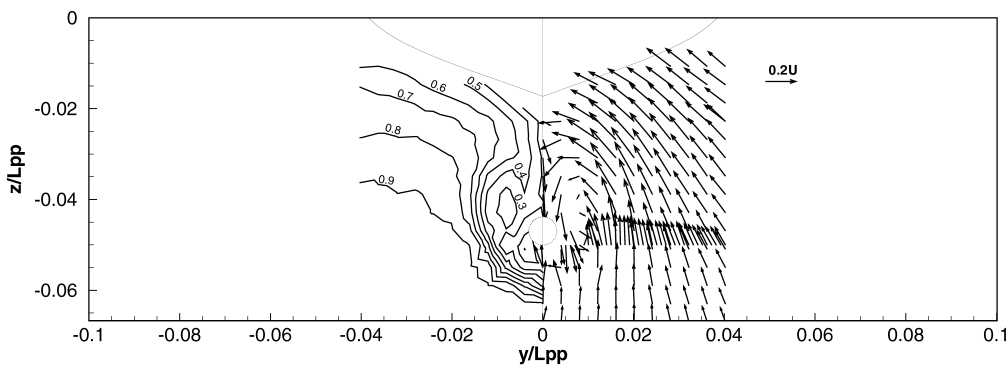


Fig.1.4-2 Velocity on the propeller plane ($x/L_{PP} = 0.48$) at $z/L_{PP} = -0.05$

File name	fig1.4-02.eps
Axis size	80 [mm] × 60 [mm]
Horizontal-axis variable and range	$0 \leq y/L_{PP} \leq 0.05$
Vertical-axis variable and range	$-0.3 \leq u/U, v/U, w/U \leq 1.0$
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

Red line is corrected at 10/Dec/2004

**Fig.1.4-3 Uncertainty analysis of velocity on the propeller plane
($x/L_{PP} = 0.48$) at $z/L_{PP} = -0.05$**

File name	fig1.4-03.eps
Axis size	80 [mm] × 60 [mm]
Horizontal-axis variable and range	$0 \leq y/L_{PP} \leq 0.05$
Vertical-axis variable and range	$-0.1 \leq E/U, \pm U_V/U \leq 0.1$
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.1.4-4 Kinematic eddy viscosity (ν_t) and longitudinal component of vorticity (ω_x) contours on the propeller plane ($x/L_{PP} = 0.48$)

File name	fig1.4-04.eps
Axis size	120 [mm] \times 40[mm]
Horizontal-axis variable and range	$-0.1 \leq y/L_{PP} \leq 0.1$
Vertical-axis variable and range	$-0.0667 \leq z/L_{PP} \leq 0.0$
Contour levels	$\Delta\nu_t = 0.5 \times 10^{-5}$, $\Delta\omega_x = 10$
Style	ν_t contours: solid lines, left side ω_x contours: (+) solid lines; (-) dashed lines, right side

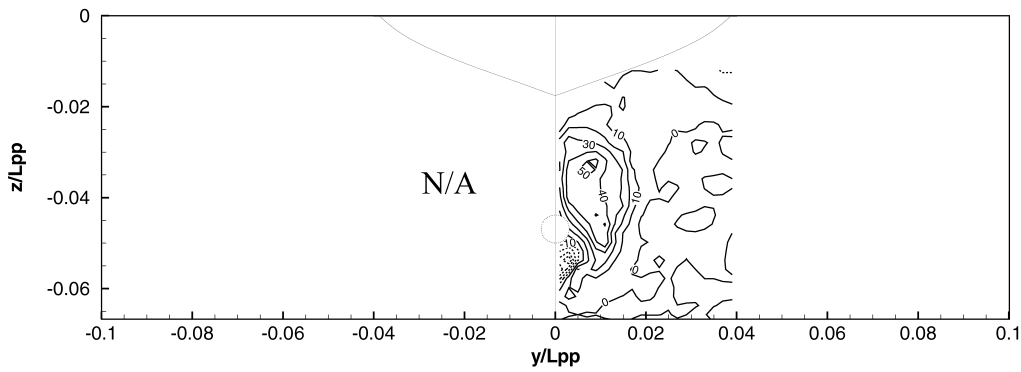


Fig.1.4-5 Hull surface pressure contours (port side view)

File name	fig1.4-05.eps
Axis size	125 [mm] \times 33.35 [mm]
Horizontal-axis variable and range	$0.3 \leq x/L_{PP} \leq 0.55$
Vertical-axis variable and range	$-0.0667 \leq z/L_{PP} \leq 0$
Contour range and levels	$-1.0 \leq C_p \leq 1.0$, $\Delta C_p = 0.01$
Style	(+) solid lines; (-) dashed lines

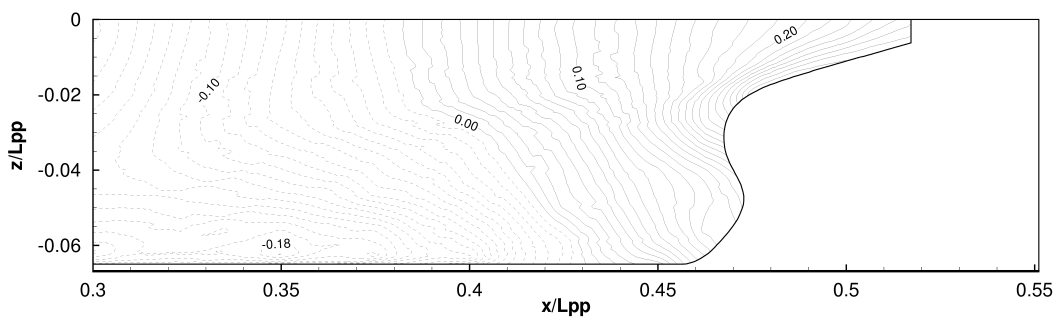
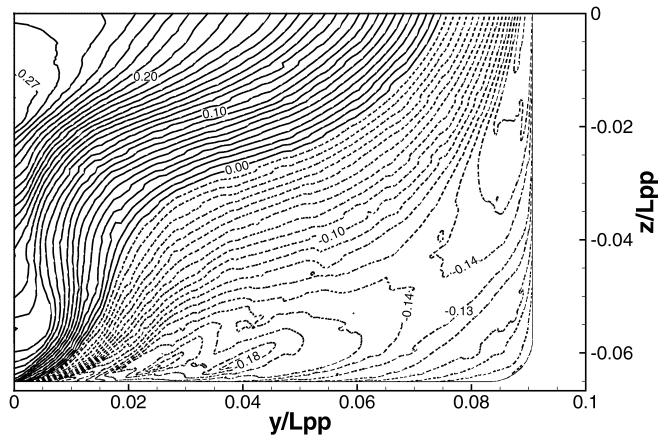


Fig.1.4-6 Hull surface pressure contours (back view)

File name	fig1.4-06.eps
Axis size	75 [mm] × 50 [mm]
Horizontal-axis variable and range	$0.0 \leq y/L_{PP} \leq 0.1$
Vertical-axis variable and range	$-0.0667 \leq z/L_{PP} \leq 0$
Contour range and levels	$-1.0 \leq C_p \leq 1.0, \Delta C_p = 0.01$
Style	(+) solid lines; (-) dashed lines

**Fig.1.4-7 Hull surface pressure contours (bottom view)**

File name	fig1.4-07.eps
Axis size	125 [mm] × 50 [mm]
Horizontal-axis variable and range	$0.3 \leq x/L_{PP} \leq 0.55$
Vertical-axis variable and range	$0 \leq y/L_{PP} \leq 0.1$
Contour range and levels	$-1.0 \leq C_p \leq 1.0, \Delta C_p = 0.01$
Style	(+) solid lines; (-) dashed lines

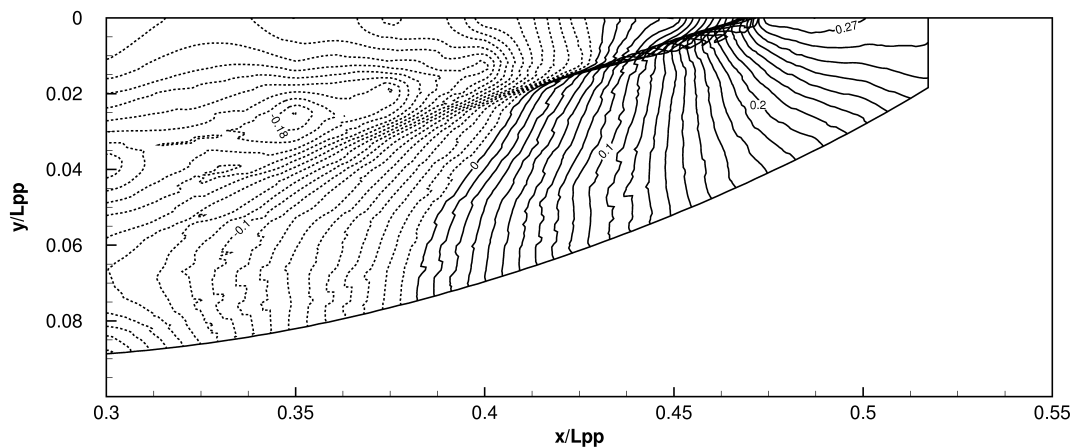


Fig.1.4-8 Limiting stream lines (port side view)

File name	fig1.4-08.eps
Axis size	125 [mm] × 33.35 [mm]
Horizontal-axis variable and range	$0.3 \leq x/L_{PP} \leq 0.55$
Vertical-axis variable and range	$-0.0667 \leq z/L_{PP} \leq 0.0$
Style	Participants choose starting points and spacing