

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	int4.dat
Style	plain text

The data should be written as following format:

0th amplitude of CT = *value*
 1st amplitude of CT = *value*
 1st phase of CT = *value*
 0th amplitude of CH = *value*
 1st amplitude of CH = *value*
 1st phase of CH = *value*
 0th amplitude of CM = *value*
 1st amplitude of CM = *value*
 1st phase of CM = *value*

Fig.4-1 Time histories of C_T , C_H , and C_M

File name	fig4-01_CT.eps (for C_T) fig4-01_CH.eps (for C_H) fig4-01_CM.eps (for C_M)
Axis size	150 [mm] \times 40 [mm]
Horizontal-axis variable and range	$0.0 \leq t/T \leq 3.0$
Vertical-axis variable and range	$-0.004 \leq C_T \leq 0.014$ $-0.08 \leq C_H \leq 0.01$ $-0.015 \leq C_M \leq 0.015$
Style	CFD solid line, EFD open circles $\Delta(t/T) = 0.05$

Fig.4-2 Wave elevation ζ_T contours: $t/T_e = 0, 1/4, 1/2, 3/4$

File name	fig4-02_a0.eps (for $t/T = 0.0$) fig4-02_a1.eps (for $t/T = 0.25$) fig4-02_a2.eps (for $t/T = 0.5$) fig4-02_a3.eps (for $t/T = 0.75$)
Axis size	150 [mm] \times 40 [mm]
Horizontal-axis variable and range	$-0.2 \leq x/L_{PP} \leq 1.3$
Vertical-axis variable and range	$0.0 \leq y/L_{PP} \leq 0.4$
Contour levels	$\Delta(\zeta_T) = 0.001$
Style	crest solid lines; troughs dashed lines

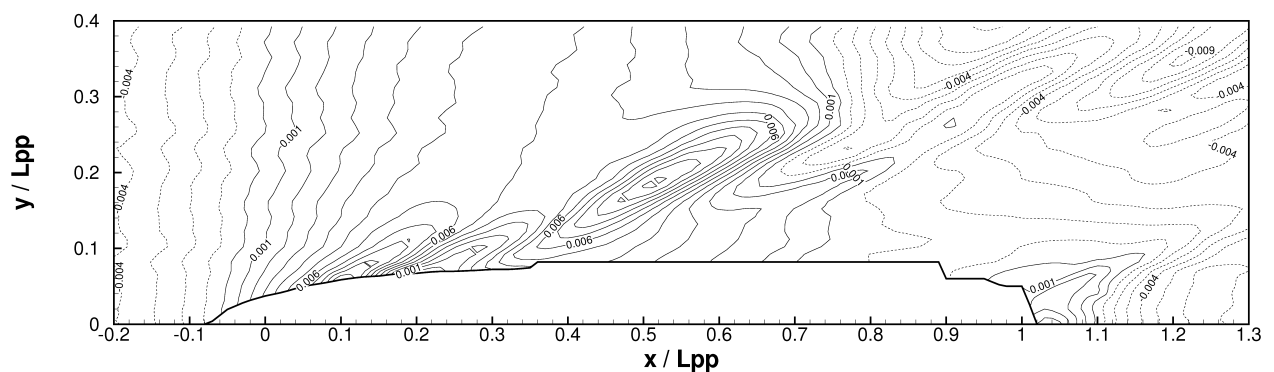
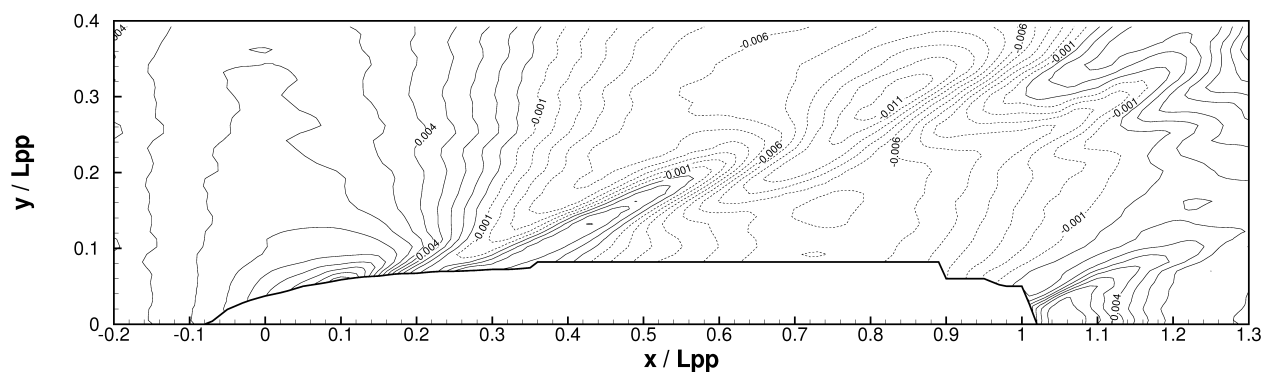


Fig.4-4 Wave elevation ζ_T contours: 1st amplitude

File name	fig4-04.eps
Axis size	150 [mm] \times 40 [mm]
Horizontal-axis variable and range	$-0.2 \leq x/L_{PP} \leq 1.3$
Vertical-axis variable and range	$0.0 \leq y/L_{PP} \leq 0.4$
Contour levels	$\Delta B_{X_1} = 0.0005$
Style	crest solid lines; troughs dashed lines

Fig.4-5 Wave elevation ζ_T contours: 1st phase

File name	fig4-05.eps
Axis size	150 [mm] \times 40 [mm]
Horizontal-axis variable and range	$-0.2 \leq x/L_{PP} \leq 1.3$
Vertical-axis variable and range	$0.0 \leq y/L_{PP} \leq 0.4$
Contour levels	$\Delta \gamma_1 = 0.25$
Style	crest solid lines; troughs dashed lines

Fig.4-6 u contours at $x/L_{PP} = 0.935$, and $t/T_e = 0, 1/4, 1/2, 3/4$

File name	fig4-06_a0.eps (for $t/T = 0.0$) fig4-06_a1.eps (for $t/T = 0.25$) fig4-06_a2.eps (for $t/T = 0.5$) fig4-06_a3.eps (for $t/T = 0.75$)
Axis size	48 [mm] \times 48 [mm]
Horizontal-axis variable and range	$-0.06 \leq y/L_{PP} \leq 0.0$
Vertical-axis variable and range	$-0.06 \leq z/L_{PP} \leq 0.0$
Contour levels	$\Delta(u/U) = 0.05$
Style	solid lines

Red line is corrected at 20/Dec/2004

Magenta line is corrected at 17/Jan/2005

Fig.4-7 v contours at $x/L_{PP} = 0.935$, and $t/T_e = 0, 1/4, 1/2, 3/4$

File name	fig4-07_a0.eps (for $t/T = 0.0$) fig4-07_a1.eps (for $t/T = 0.25$) fig4-07_a2.eps (for $t/T = 0.5$) fig4-07_a3.eps (for $t/T = 0.75$)
Axis size	48 [mm] \times 48 [mm]
Horizontal-axis variable and range	$-0.06 \leq y/L_{PP} \leq 0.0$
Vertical-axis variable and range	$-0.06 \leq z/L_{PP} \leq 0.0$
Contour levels	$\Delta(v/U) = 0.01$
Style	solid lines

Red line is corrected at 20/Dec/2004

Magenta line is corrected at 17/Jan/2005

Fig.4-8 w contours at $x/L_{PP} = 0.935$, and $t/T_e = 0, 1/4, 1/2, 3/4$

File name	fig4-08_a0.eps (for $t/T = 0.0$) fig4-08_a1.eps (for $t/T = 0.25$) fig4-08_a2.eps (for $t/T = 0.5$) fig4-08_a3.eps (for $t/T = 0.75$)
Axis size	48 [mm] \times 48 [mm]
Horizontal-axis variable and range	$-0.06 \leq y/L_{PP} \leq 0.0$
Vertical-axis variable and range	$-0.06 \leq z/L_{PP} \leq 0.0$
Contour levels	$\Delta(w/U) = 0.01$
Style	solid lines

Red line is corrected at 20/Dec/2004

Magenta line is corrected at 17/Jan/2005

Fig.4-9 Contours of 0th and 1st amplitudes and 1st phase of u at $x/L_{PP} = 0.935$

File name	fig4-09_u0.eps (for 0^{th} -harmonic amplitude) fig4-09_u1.eps (for 1^{st} -harmonic amplitude) fig4-09_gu1.eps (for 1^{st} - harmonic phase)
Axis size	48 [mm] \times 48 [mm]
Horizontal-axis variable and range	$-0.06 \leq y/L_{PP} \leq 0.0$
Vertical-axis variable and range	$-0.06 \leq z/L_{PP} \leq 0.0$
Contour levels	$\Delta(u_0/U) = 0.05$ (for 0^{th} -harmonic amplitude) $\Delta(u_1/U) = 0.007$ (for 1^{st} -harmonic amplitude) $\Delta\gamma_1 = 0.196 (= \pi/16)$ (for 1^{st} -harmonic phase)
Style	solid lines

Magenta line is corrected at 17/Jan/2005

Fig.4-10 Contours of 0th and 1st amplitudes and 1st phase of v at $x/L_{PP} = 0.935$

File name	fig4-10_v0.eps (for 0^{th} -harmonic amplitude) fig4-10_v1.eps (for 1^{st} -harmonic amplitude) fig4-10_gv1.eps (for 1^{st} - harmonic phase)
Axis size	48 [mm] \times 48 [mm]
Horizontal-axis variable and range	$-0.06 \leq y/L_{PP} \leq 0.0$
Vertical-axis variable and range	$-0.06 \leq z/L_{PP} \leq 0.0$
Contour levels	$\Delta(v_0/U) = 0.006$ (for 0^{th} -harmonic amplitude) $\Delta(v_1/U) = 0.003$ (for 1^{st} -harmonic amplitude) $\Delta\gamma_1 = 0.196 (= \pi/16)$ (for 1^{st} -harmonic phase)
Style	solid lines

Magenta line is corrected at 17/Jan/2005

Fig.4-11 Contours of 0th and 1st amplitudes and 1st phase of w at $x/L_{PP} = 0.935$

File name	fig4-11_w0.eps (for 0^{th} -harmonic amplitude) fig4-11_w1.eps (for 1^{st} -harmonic amplitude) fig4-11_gw1.eps (for 1^{st} - harmonic phase)
Axis size	48 [mm] \times 48 [mm]
Horizontal-axis variable and range	$-0.06 \leq y/L_{PP} \leq 0.0$
Vertical-axis variable and range	$-0.06 \leq z/L_{PP} \leq 0.0$
Contour levels	$\Delta(w_0/U) = 0.013$ (for 0^{th} -harmonic amplitude) $\Delta(w_1/U) = 0.003$ (for 1^{st} -harmonic amplitude) $\Delta\gamma_1 = 0.196 (= \pi/16)$ (for 1^{st} -harmonic phase)
Style	solid lines

Magenta line is corrected at 17/Jan/2005