

General Information

- Please use following file name convention for submission: Beginning with your first name initial and full surname, add test case id followed by file serial number separated by underscores and/or hyphens. For example, if your name is John Smith and for the third file of test case 1a.2., a file name *fig_1a_2-03.wmf* appearing in the instruction should be rewritten as *jsmith_1a_2-03.wmf*
- 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 FORCE via FORCE ftp-server. User account name and password are required to login the server. Please contact the organizer (technical@simman2007.dk) to obtain this information.

Fig.3a.10-1 Axial velocity contours and cross flow vectors ($x/L_{pp}=0.135$)

File name for PMM phase 0°	fig_3a_10-01a.tif
File name for PMM phase 45°	fig_3a_10-01b.tif
File name for PMM phase 90°	fig_3a_10-01c.tif
File name for PMM phase 135°	fig_3a_10-01d.tif
Axis size	
Horizontal-axis variable and range	$-0.1 \leq y/L_{pp} \leq 0.1$
Vertical-axis variable and range	$-0.08 \leq z/L_{pp} \leq 0.053$
Contour levels	$0.5 \leq U \leq 1.0, \Delta U \leq 0.05$
Tecplot setups	Frame size = 9×6 [paper ruler units] Axis area/viewport position(%): Left 10, Right 95, Top 95, Bottom 10 Export image: Tiff format, width = 800
Style (Tecplot)	Contour with Flood & Line option Contour line color and size: black, 0.1% Vectors size = 0.025 relative (Grid units/ Magnitude) Vector line color and size : black, 0.1%

Fig.3a.10-3 Transverse velocity contours ($x/L_{pp}=0.135$)

File name for PMM phase 0°	fig_3a_10-02a.tif
File name for PMM phase 45°	fig_3a_10-02b.tif
File name for PMM phase 90°	fig_3a_10-02c.tif
File name for PMM phase 135°	fig_3a_10-02d.tif
Axis size	
Horizontal-axis variable and range	$-0.1 \leq y/L_{pp} \leq 0.1$
Vertical-axis variable and range	$-0.08 \leq z/L_{pp} \leq 0.053$
Contour levels	$-0.2 \leq U \leq 0.2, \Delta V \leq 0.05$
Tecplot setups	Frame size = 9 × 6 [paper ruler units] Axis area/viewport position(%): Left 10, Right 95, Top 95, Bottom 10 Export image: Tiff format, width = 800
Style (Tecplot)	Contour with Flood & Line option Contour line color and size: black, 0.1%

Fig.3a.10-3 Vertical velocity contours ($x/L_{pp}=0.135$)

File name for PMM phase 0°	fig_3a_10-03a.tif
File name for PMM phase 45°	fig_3a_10-03b.tif
File name for PMM phase 90°	fig_3a_10-03c.tif
File name for PMM phase 135°	fig_3a_10-03d.tif
Axis size	
Horizontal-axis variable and range	$-0.1 \leq y/L_{pp} \leq 0.1$
Vertical-axis variable and range	$-0.08 \leq z/L_{pp} \leq 0.053$
Contour levels	$-0.2 \leq W \leq 0.2, \Delta W \leq 0.05$
Tecplot setups	Frame size = 9 × 6 [paper ruler units] Axis area/viewport position(%): Left 10, Right 95, Top 95, Bottom 10 Export image: Tiff format, width = 800
Style (Tecplot)	Contour with Flood & Line option Contour line color and size: black, 0.1%

Fig.3a.10-4 Turbulent kinetic energy contours ($x/L_{pp}=0.135$)

File name for PMM phase 0°	fig_3a_10-04a.tif
File name for PMM phase 45°	fig_3a_10-04b.tif
File name for PMM phase 90°	fig_3a_10-04c.tif
File name for PMM phase 135°	fig_3a_10-04d.tif
Axis size	
Horizontal-axis variable and range	$-0.1 \leq y/L_{pp} \leq 0.1$
Vertical-axis variable and range	$-0.08 \leq z/L_{pp} \leq 0.053$
Contour levels	k = 0.001, 0.002, 0.003, 0.004, 0.005, 0.006, 0.008, 0.01, 0.02
Tecplot setups	Frame size = 9 × 6 [paper ruler units] Axis area/viewport position(%): Left 10, Right 95, Top 95, Bottom 10 Export image: Tiff format, width = 800
Style (Tecplot)	Contour with Flood & Line option Contour line color and size: black, 0.1%

Fig.3a.10-5 Axial vorticity contours ($x/L_{pp}=0.135$)

File name for PMM phase 0°	fig_3a_10-05a.tif
File name for PMM phase 45°	fig_3a_10-05b.tif
File name for PMM phase 90°	fig_3a_10-05c.tif
File name for PMM phase 135°	fig_3a_10-05d.tif
Axis size	
Horizontal-axis variable and range	$-0.1 \leq y/L_{pp} \leq 0.1$
Vertical-axis variable and range	$-0.08 \leq z/L_{pp} \leq 0.053$
Contour levels	$\omega_x = -120, -50, -20, -15, -10, -5, 5, 10, 15, 20, 50, 120$
Tecplot setups	Frame size = 9 × 6 [paper ruler units] Axis area/viewport position(%): Left 10, Right 95, Top 95, Bottom 10 Export image: Tiff format, width = 800
Style (Tecplot)	Large Rainbow color map Contour with Flood & Line option Contour line color and size: black, 0.1%

Fig.3a.10-6 Axial velocity contours and cross flow vectors ($x/L_{pp}=0.535$)

File name for PMM phase 0°	fig_3a_10-06a.tif
File name for PMM phase 45°	fig_3a_10-06b.tif
File name for PMM phase 90°	fig_3a_10-06c.tif
File name for PMM phase 135°	fig_3a_10-06d.tif
Axis size	
Horizontal-axis variable and range	
Vertical-axis variable and range	
Contour levels	Same as Fig.3a.10-1
Tecplot setups	
Style (Tecplot)	

Fig.3a.10-7 Transverse velocity contours ($x/L_{pp}=0.535$)

File name for PMM phase 0°	fig_3a_10-07a.tif
File name for PMM phase 45°	fig_3a_10-07b.tif
File name for PMM phase 90°	fig_3a_10-07c.tif
File name for PMM phase 135°	fig_3a_10-07d.tif
Axis size	
Horizontal-axis variable and range	
Vertical-axis variable and range	
Contour levels	Same as Fig.3a.10-2
Tecplot setups	
Style (Tecplot)	

Fig.3a.10-8 Vertical velocity contours ($x/L_{pp}=0.535$)

File name for PMM phase 0°	fig_3a_10-08a.tif
File name for PMM phase 45°	fig_3a_10-08b.tif
File name for PMM phase 90°	fig_3a_10-08c.tif
File name for PMM phase 135°	fig_3a_10-08d.tif
Axis size	
Horizontal-axis variable and range	
Vertical-axis variable and range	
Contour levels	Same as Fig.3a.10-3
Tecplot setups	
Style (Tecplot)	

Fig.3a.10-9 Turbulent kinetic energy contours ($x/L_{PP}=0.535$)

File name for PMM phase 0°	fig_3a_10-09a.tif
File name for PMM phase 45°	fig_3a_10-09b.tif
File name for PMM phase 90°	fig_3a_10-09c.tif
File name for PMM phase 135°	fig_3a_10-09d.tif
Axis size	
Horizontal-axis variable and range	
Vertical-axis variable and range	
Contour levels	Same as Fig.3a.10-4
Tecplot setups	
Style (Tecplot)	

Fig.3a.10-10 Axial vorticity contours ($x/L_{PP}=0.535$)

File name for PMM phase 0°	fig_3a_10-10a.tif
File name for PMM phase 45°	fig_3a_10-10b.tif
File name for PMM phase 90°	fig_3a_10-10c.tif
File name for PMM phase 135°	fig_3a_10-10d.tif
Axis size	
Horizontal-axis variable and range	
Vertical-axis variable and range	
Contour levels	Same as Fig.3a.10-5
Tecplot setups	
Style (Tecplot)	

Fig.3a.10-11 Axial velocity contours and cross flow vectors ($x/L_{pp}=0.935$)

File name for PMM phase 0°	fig_3a_10-11a.tif
File name for PMM phase 45°	fig_3a_10-11b.tif
File name for PMM phase 90°	fig_3a_10-11c.tif
File name for PMM phase 135°	fig_3a_10-11d.tif
Axis size	
Horizontal-axis variable and range	
Vertical-axis variable and range	
Contour levels	Same as Fig.3a.10-1
Tecplot setups	
Style (Tecplot)	

Fig.3a.10-12 Transverse velocity contours ($x/L_{pp}=0.935$)

File name for PMM phase 0°	fig_3a_10-12a.tif
File name for PMM phase 45°	fig_3a_10-12b.tif
File name for PMM phase 90°	fig_3a_10-12c.tif
File name for PMM phase 135°	fig_3a_10-12d.tif
Axis size	
Horizontal-axis variable and range	
Vertical-axis variable and range	
Contour levels	Same as Fig.3a.10-2
Tecplot setups	
Style (Tecplot)	

Fig.3a.10-13 Vertical velocity contours ($x/L_{pp}=0.935$)

File name for PMM phase 0°	fig_3a_10-13a.tif
File name for PMM phase 45°	fig_3a_10-13b.tif
File name for PMM phase 90°	fig_3a_10-13c.tif
File name for PMM phase 135°	fig_3a_10-13d.tif
Axis size	
Horizontal-axis variable and range	
Vertical-axis variable and range	
Contour levels	Same as Fig.3a.10-3
Tecplot setups	
Style (Tecplot)	

Fig.3a.10-14 Turbulent kinetic energy contours ($x/L_{PP}=0.935$)

File name for PMM phase 0°	fig_3a_10-1408a.tif
File name for PMM phase 45°	fig_3a_10-14b.tif
File name for PMM phase 90°	fig_3a_10-14c.tif
File name for PMM phase 135°	fig_3a_10-14d.tif
Axis size	
Horizontal-axis variable and range	
Vertical-axis variable and range	
Contour levels	Same as Fig.3a.10-4
Tecplot setups	
Style (Tecplot)	

Fig.3a.10-15 Axial vorticity contours ($x/L_{PP}=0.935$)

File name for PMM phase 0°	fig_3a_10-15a.tif
File name for PMM phase 45°	fig_3a_10-15b.tif
File name for PMM phase 90°	fig_3a_10-15c.tif
File name for PMM phase 135°	fig_3a_10-15d.tif
Axis size	
Horizontal-axis variable and range	
Vertical-axis variable and range	
Contour levels	Same as Fig.3a.10-5
Tecplot setups	
Style (Tecplot)	