

令和 5 年度 5 月度 月例報告書

2023/05/30

M2 来代 勝胤 / KITADAI Masatsugu

Table 1 Experimental conditions

Mainstream velocity	250	mm/s
Image size	800×600	pixel
Frame rate	800	fps
Shutter Speed	1/1000	s
Thickness of LLS(1)	1.0	mm
Thickness of LLS(2)	3.0	mm
Distance between LLS(1) and LLS(2)	2.5	mm
Number of shots	4000	

Table 2 Experimental conditions

Thickness of LLS ₁	1.0	mm
Thickness of LLS ₂	3.0	mm
LLS Distance : Δx	2.5	mm
Image size	800×600	pixel
Frame rate	800	fps
Shutter Speed	1/1000	s

Solver	pimpleForm	
Volume	$150 \times 50 \times 50$	mm ³
Mesh	$75 \times 25 \times 25$	
Inlet	250	mm/s
Outlet	Gauge pressure	
Wall	Slip	

Volume of test section	$2000 \times 500 \times 400$	mm ³
Kinematic viscosity	0.893	mm ² /s
Mainstream velocity	240 - 260	mm/s