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3D-PTV measurements of jet flow between parallel flat plates
HIROKI KUBO, TATSURO SUZUKI, JUN SAKAKIBARA, Meiji Univ — Jet flow in between parallel flat plates was studied experimentally. Flow measurements are carried out using the three-dimensional particle tracking velocimetry (3D-PTV), which allows to measure three dimensional three components of velocity vectors. The plates were rectangular, and separated by 10 mm gap. The nozzle having a square cross-section was installed at an edge of the parallel plates and air was issued into the gap. Downstream evolution of centerline mean velocity, half value width and jet momentum decay will be presented.

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