Journal of Visualization, Vol. 4, No. 3 (2001) 214

## Animation Understanding of Inclined Bluff Body Flows by Multi-vision PIV\* Lee, Y.-H.<sup>1</sup>, Nam, C.-D.<sup>2</sup>, Choi, J.-W.<sup>3</sup> and Lee, H.<sup>3</sup>

1) Division of Mechanical & Information Engineering, Korea maritime University (KMU) 1 Dongsam-dong Youngdo-ku, Busan 606-791, Korea

- 2) Division of Marine System Engineering, KMU, 1 Dongsam-dong Youngdo-ku, Busan 606-791, Korea 3) Image Information Technology Co., Ltd., DINTEC Bldg., 1144-10, Choryang 3-dong, Dong-ku, Busan
- 601-013, Korea



Macroscopic understanding and time-resolved analysis of the wake characteristics of 2-D bluff body flows are shown by applying the multi-vision PIV to square cylinders (angle of attacks: 30°) and by the subsequent animation procedures developed originally by the author's group. The experimentation was carried out within a circulating water channel (representative height is 50 mm, Re=104). Three CCD cameras were used to picture the enlarged wake flow field.

\* Young-Ho Lee, Chung-Do Nam, Jang-Woon Choi and Hyun Lee, Animation Understanding of 2-D Simple Bluff Body Flows by Multi-vision PIV, Proc. of 9th Int. Symp. on Flow Visualization Paper No. 187, Edinburgh 2000.