

Abstract Submitted
for the DFD15 Meeting of
The American Physical Society

Experimental Observation of Hairy Surface Exposed in Airflow

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The development of drag reduction method is important to reduce the consumption of limited energy in the field of engineering. While active method which needs external energy has received significant attention, passive method which means no external energy use has been focused. As one of the potential passive drag reduction method for offshore structure, aircraft, wind turbine, flexible hair implanted on the object surface has been studied. Here we make hairy surface. We conduct flow visualization to investigate the behavior of hairy surface exposed in wind tunnel. In the presentation, a current status of this experiment will be presented.

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Date submitted: 31 Jul 2015

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