



# ***King Fahd University of Petroleum and Minerals***

**Aerospace Engineering Department**

# ***Experiment PI-6***

## **Flow Visualization Technique**

# ***Definition***

**Flow visualization is an experimental means of examining the flow patterns around a body or over its surface.**

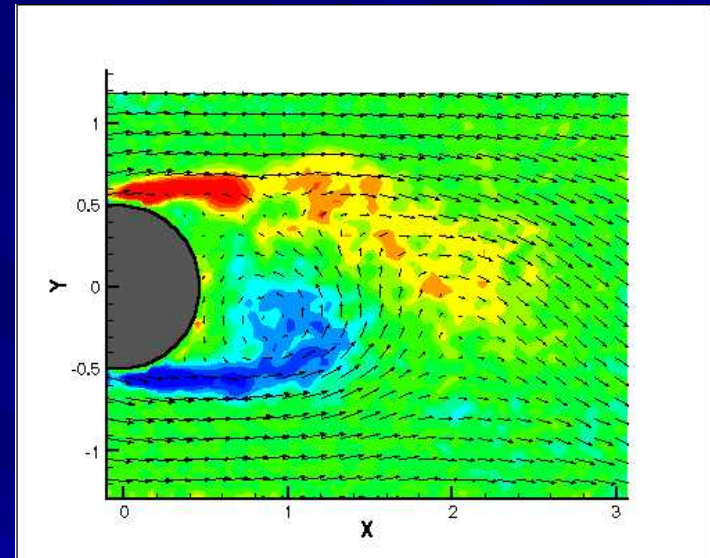
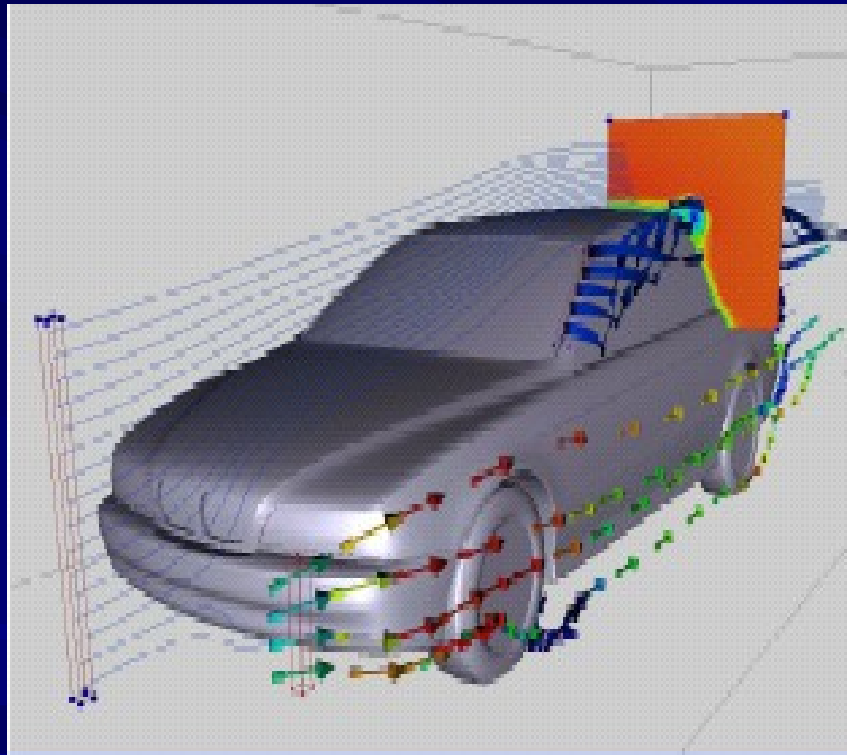
# ***Flow Visualization Recording Methods***

Visual Inspection

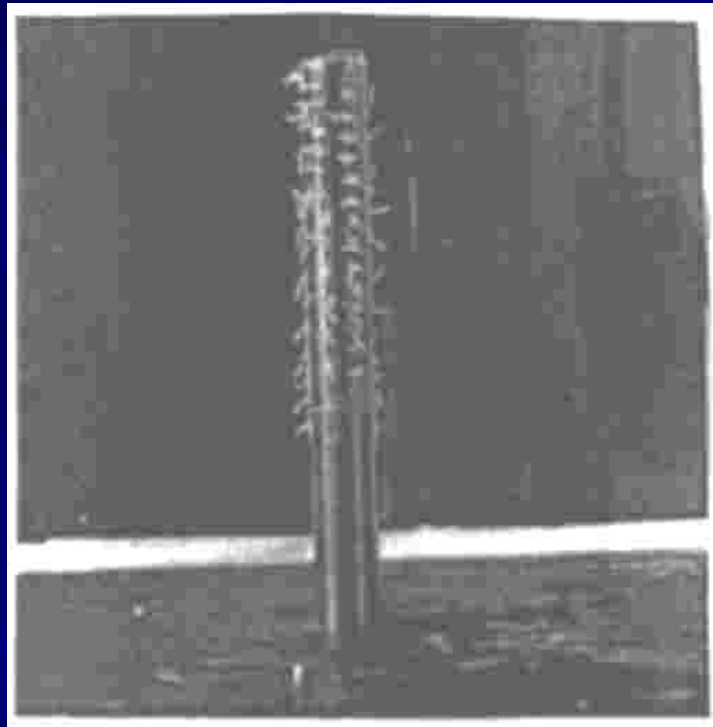
Film

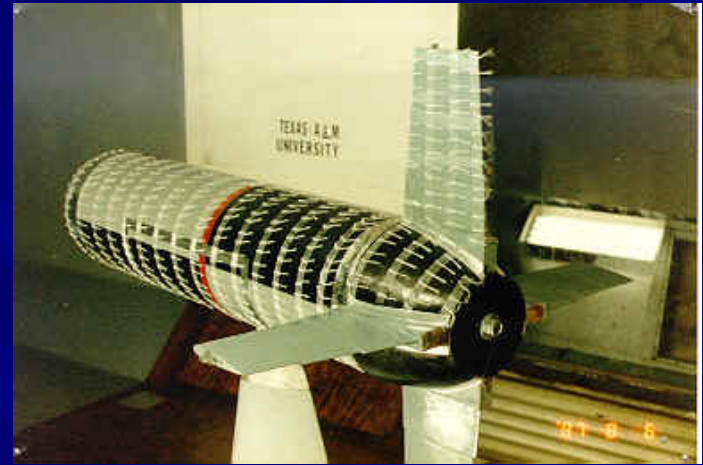
Still or movie or Television camera

Magnetic tape



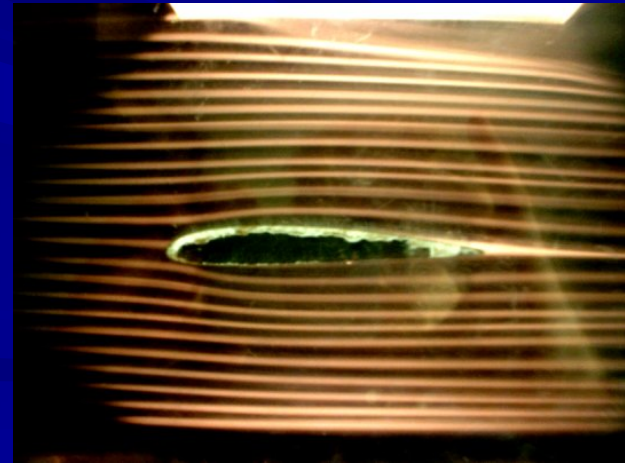
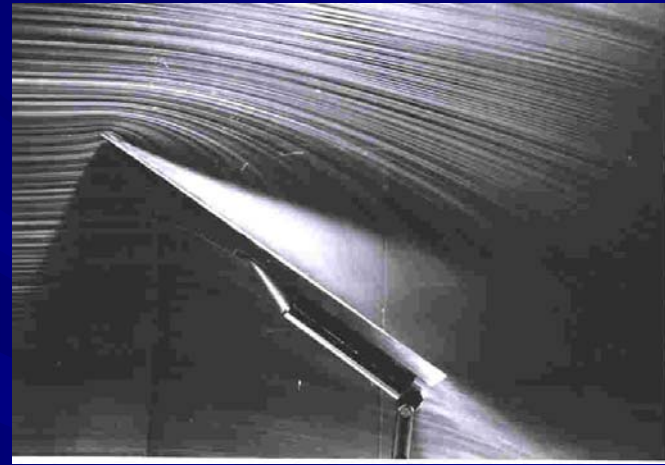
# *Surface flow visualization using tufts*



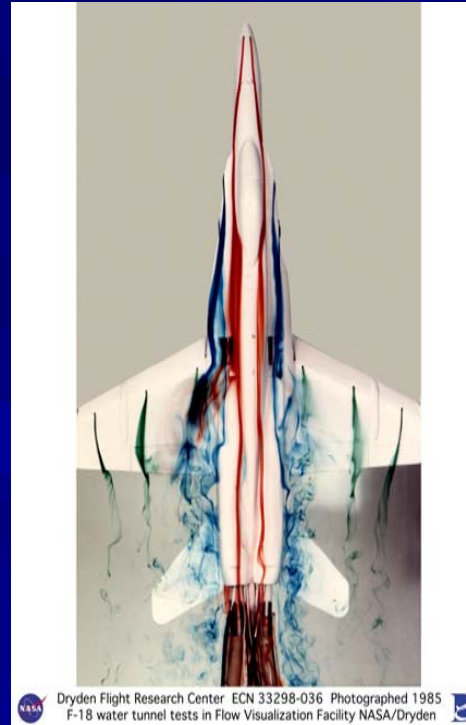




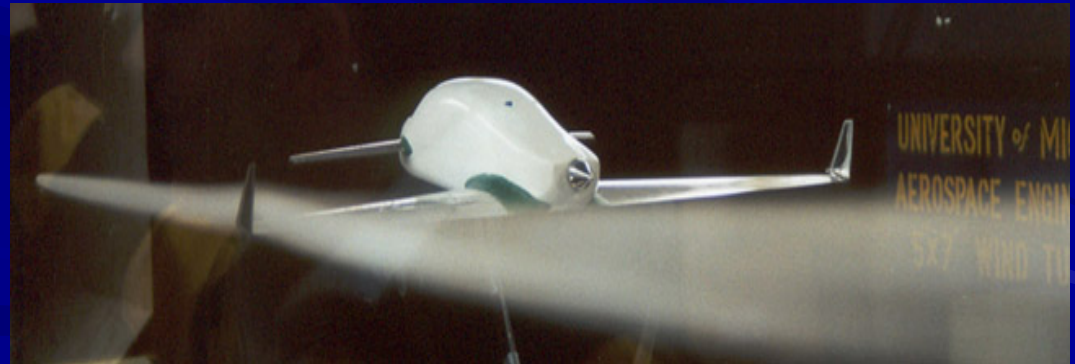
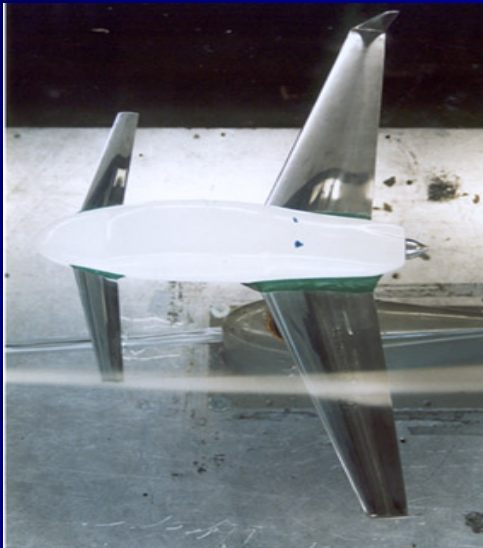
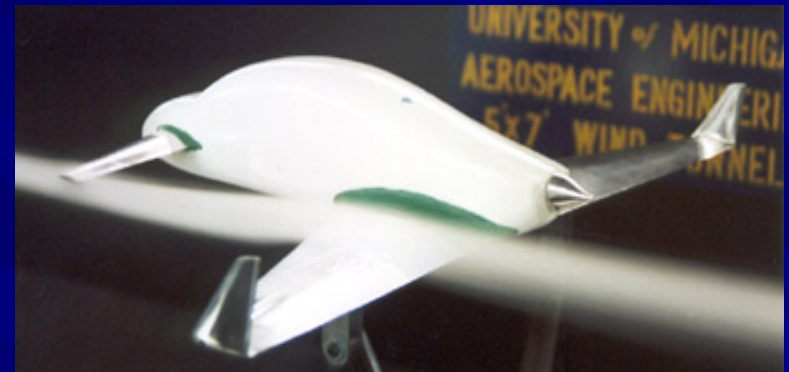
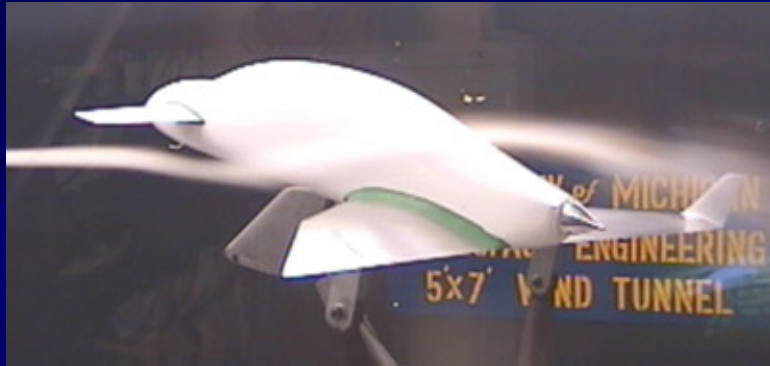
# *Flow Visualization using smoke wire technique*



# Other Flow Visualization Methods

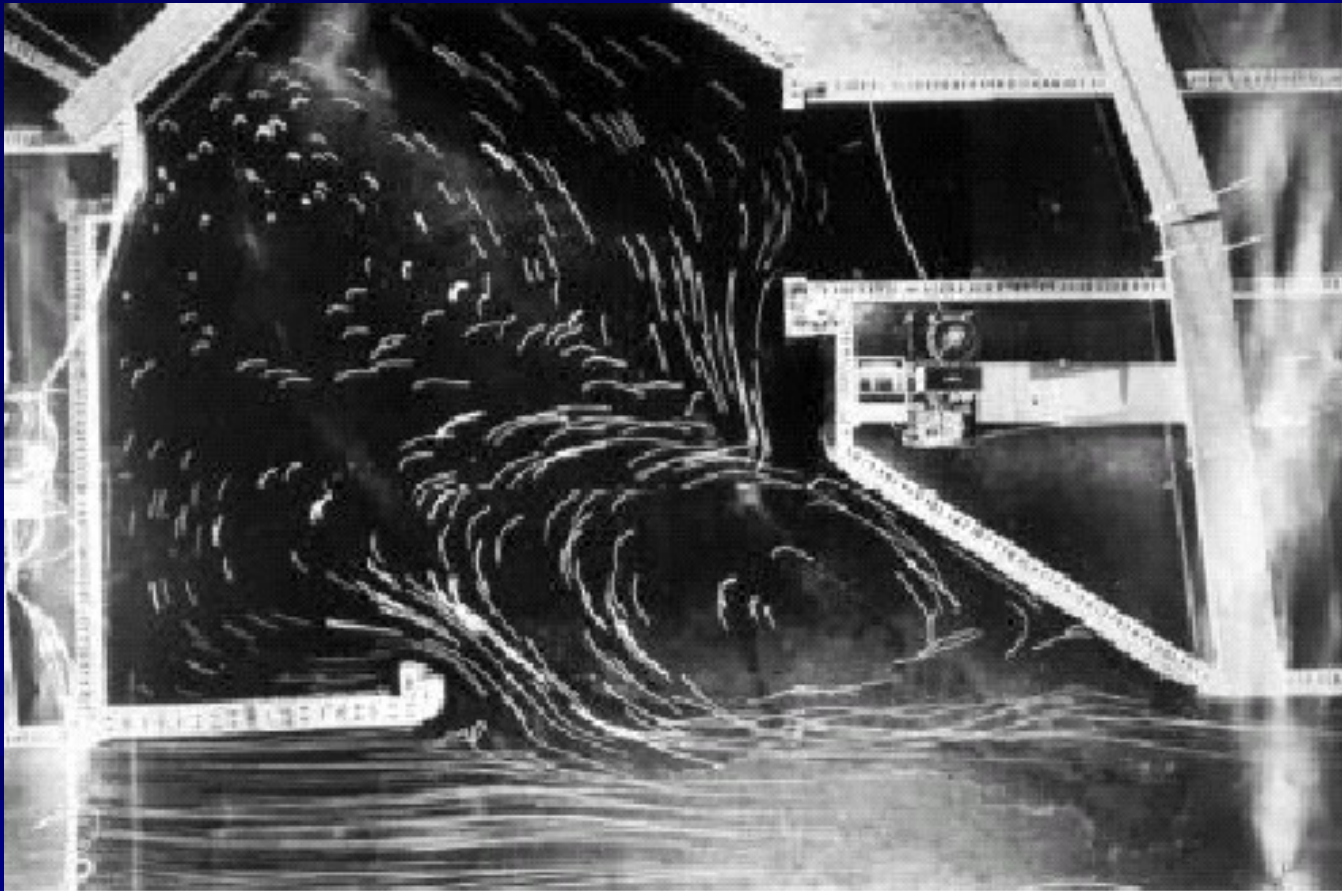


# Other Flow Visualization Methods





# *Other flow Visualization Techniques*



# Thank You

