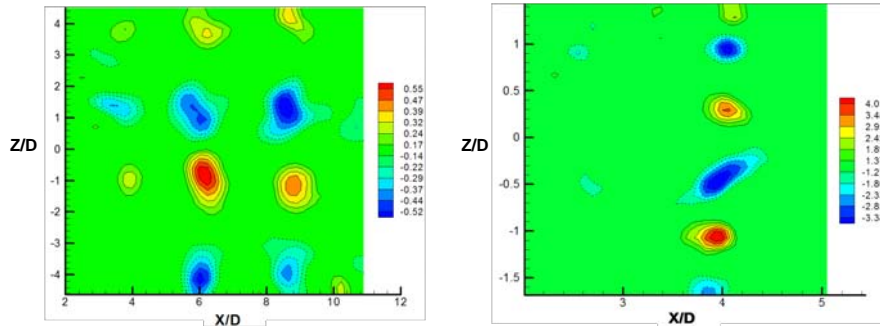
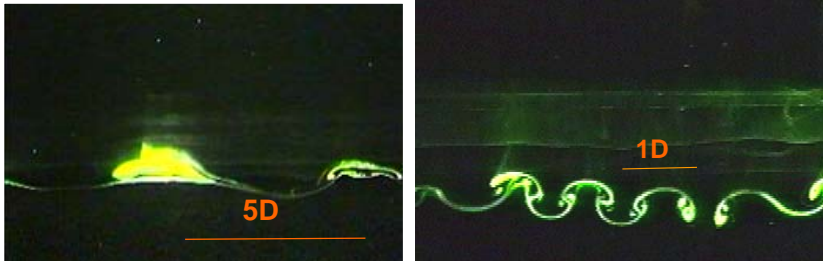
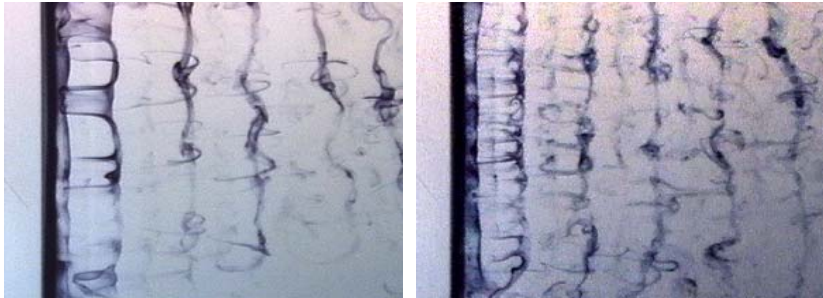


3-D wake of a square cylinder



Left column: Mode A instability.

Right column: Mode B instability.

Top row: Wake (plan view) dye flow visualization (flow is L-R).

Middle row: Wake (cross flow) LIF visualization (flow is coming out of the image).

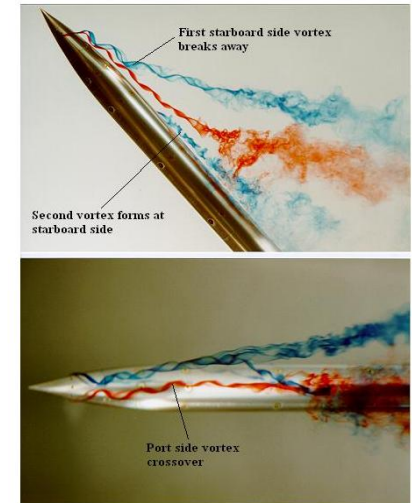
Bottom row: Wake (plan view) PIV vorticity contours (flow is L-R).

Flow past a slender cylinder at different AOA

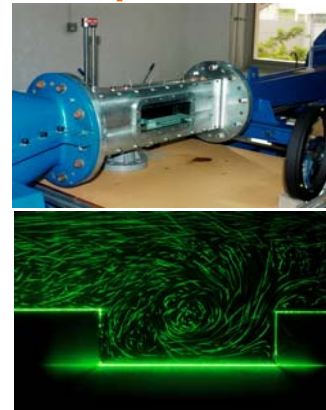


Top picture: Hemispherical head cylinder in a supersonic wind tunnel.

Right pictures: Water channel dye flow visualization of an ogive head cylinder. Side view (top) and plan view (bottom).



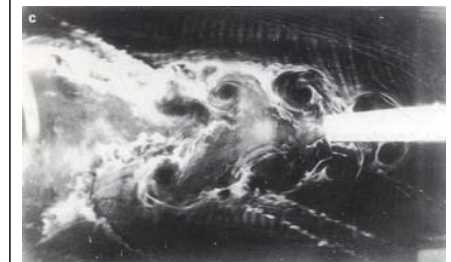
Flow past a cavity



Top: Supersonic windtunnel set-up.

Bottom: Flow visualization in a water channel.

FIV (galloping) study



Smoke wire visualization of flow (R-L) past a transversely oscillating square cylinder.

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