

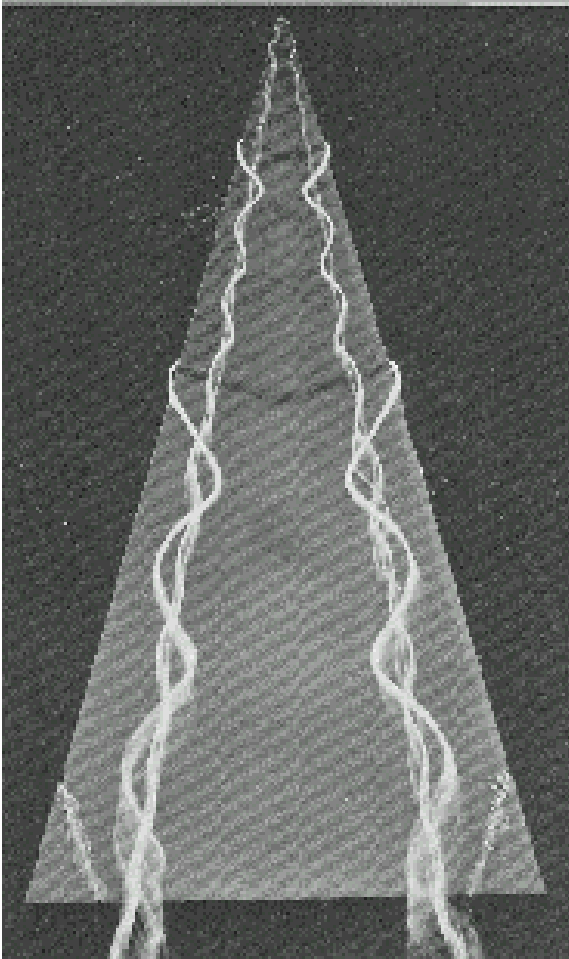
Flow Visualization

Flow visualization plays an important role in the understanding of fluid mechanics since “seeing is believing” and most of the fluids and their motions are invisible to human eyes. Therefore, numerous ingenious techniques have been developed over the years to provide an “eye-catching” way to allow us to visualize the motions of fluids and their interactions with the surroundings.

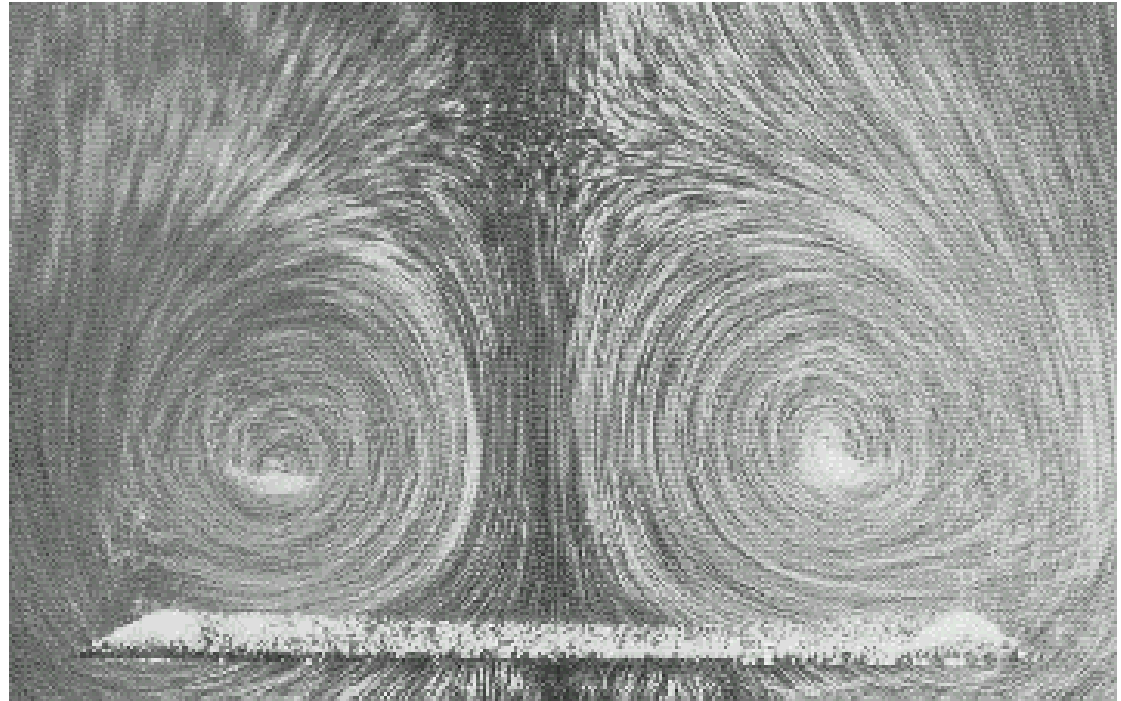
You can find many interesting flow visualization archives on the web. For examples, [pictures of the week](#), [quantitative flow visualization](#), [CFD movie archive](#), and many other sources collected in the [Road Map](#) page.

The following is a collection of several of those visualization examples:

Delta Wing Vortex Top & Back Views



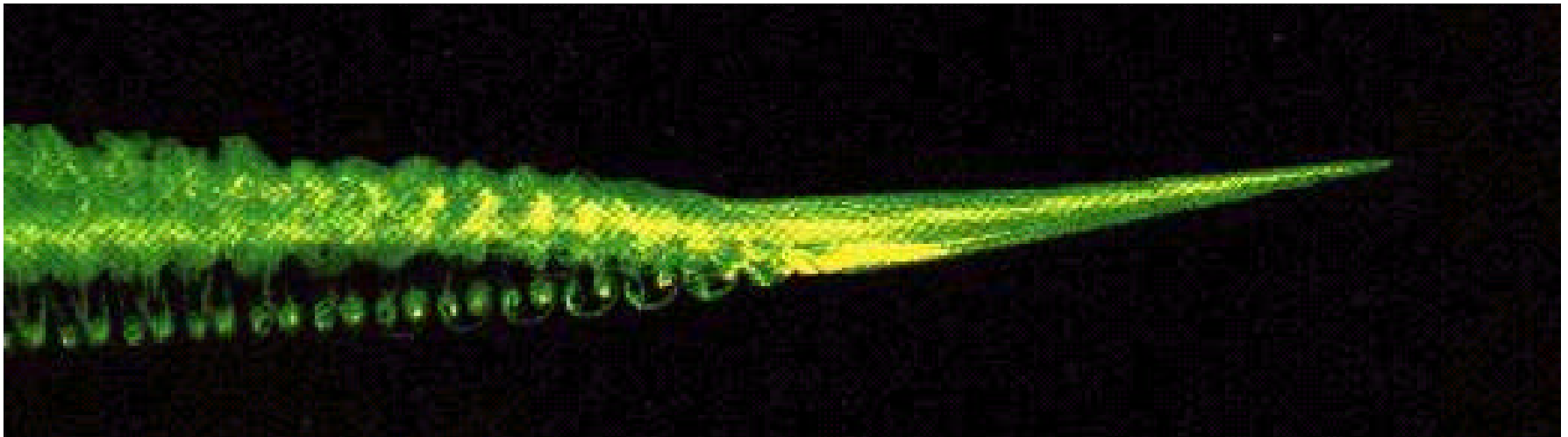
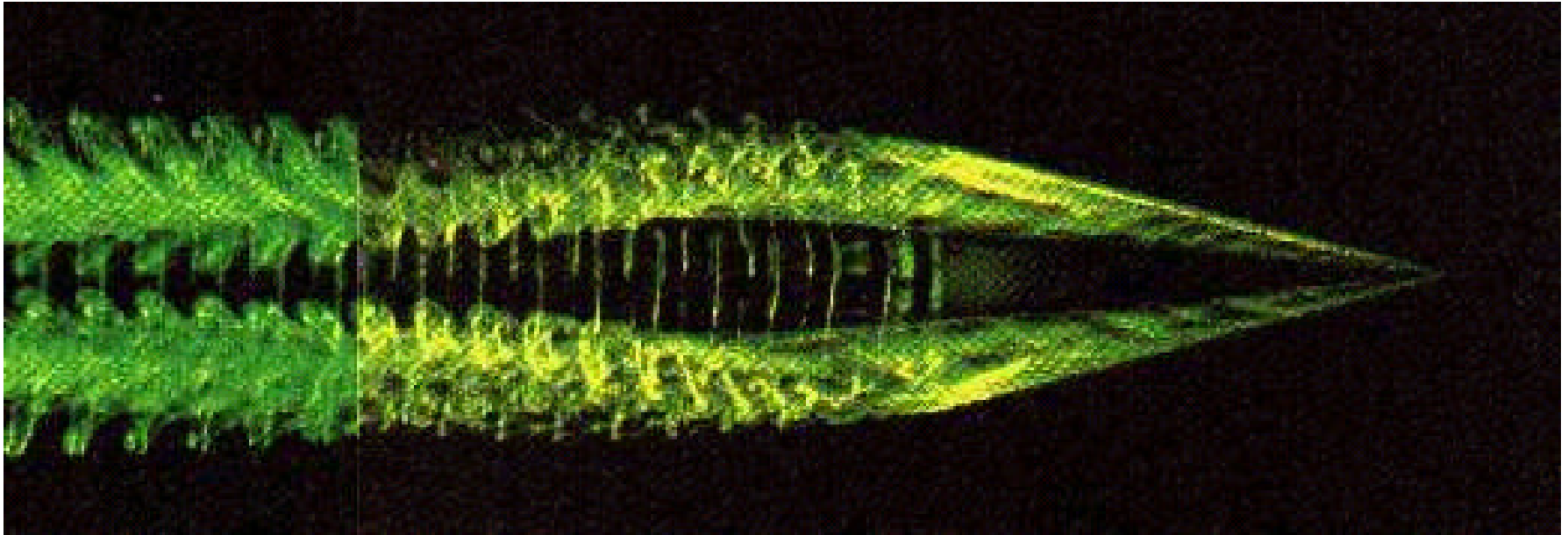
Top view



Cross section view

Photos courtesy of Van Dyke "An Album of Fluid Motion"

Delta Wing Vortex Top & Side Views



MEMS Vortex Control



Vortex under control, moving outwards



Moving inwards

Trailing Vortex Shed from Wingtip



Missile Firing, Shock-cell structure



Hurricane Fran, 1996

