

Michael Long

Flow Visualization

Jean Hertzberg / Alex Sweetman

Fall 2007

Report: Assignment #1

This was an execution of the first assignment: "Get Wet." The experiment was to see how fluids I use on a continual basis reacted to each other. I combined a drawing substance, India ink with dish soap and balsamic vinegar. The base for the experiment was tap water. I repeated the experiment with reverse osmosis filtered water and again with salt water. There were no real visible changes.

Water was placed in a white dish, about one-quarter of an inch deep. **Image 1 & 2:** Carefully, one drop of India ink was placed into the water, the pipette not allowed to touch the surface. Surprisingly the drop stayed intact in the water, save for a very thin haze of ink that very quickly spread around the drop. Upon letting the drop sit, I observed it slowly changing shape. This was most interesting because the water was not moving (perhaps it was!). **Image 3:** A drop of soap was placed in the middle of the ink. The soap just became suspended within the ink. **Image 4:** Five drops of Balsamic vinegar were carefully placed on top of the ink. It caused the ink to disperse. Note: A Nikon D-200 camera with 35mm lens with a homemade circle vignette attached to lens. Lighting was daylight coming from a window.