

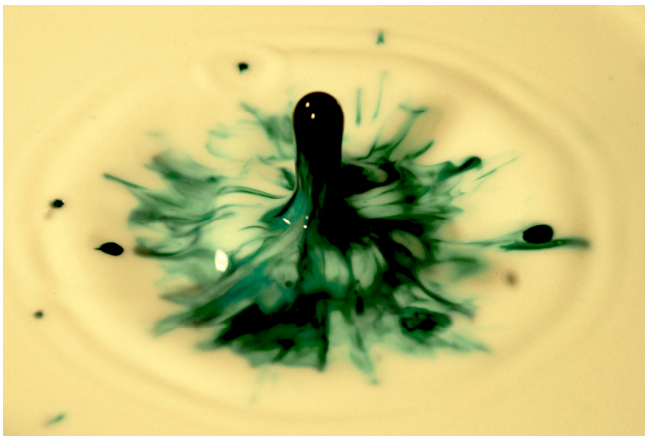
Team Gamma Project #3

For this project, our group looked at the movement of different liquids and how they interact with each other. We played with liquids such as milk, canola oil, vegetable oil, food coloring, and rubbing alcohol. We tried several different set-ups but we got the best results from simply dripping food coloring into milk. By using strobe lighting and fast shutter speeds we were able to capture the different stages of the food coloring hitting the surface of the milk. The photograph I chose to use displays the milk splashing back up around the drop of blue food coloring.



The set-up for this photograph was very simple; you need a container of milk, food coloring and a brightly lit location. It is best to have someone to help you by dripping the food coloring. We tried to time the drops in order to capture the splash but it is probably best to just shoot photos repeatedly as the coloring drops. This can give you the splash at various different locations in the drop. Also it is essential to have a tripod in order to get a clear image since you are trying to capture such a fast moving object. It is helpful to have a flash for photos such as this however the bright light of the sun and a fast shutter speed can still give you good results.

The camera used when making this image is a Nikon D40X digital SLR. This camera has 10.2 mega pixels which captures 3,872 x 2,592- pixel images. The lens' total range is 18-135 mm, f/3.5-5.6. The size of the field of view in this image is 5 x 7 inches and the distance from the object to the lens was about 4 feet. The settings for this image are an aperture of f/5.6, shutter speed of 1/6 second, and ISO of 3200. There were only slight manipulations made to this image including cropping, a decrease in exposure, and a slight increase in saturation.



There were several images from this project that I really liked but my group was most excited about this photo. I think that this image works because it clearly shows a fluid movement but the colors and the object created from the splash makes it visually pleasing. I wish there wasn't so much noise in the photo because I think that is distracting, next time I won't choose such a high ISO. Overall, I think that this is a beautiful image, it makes me want to take more flow visualization photographs.