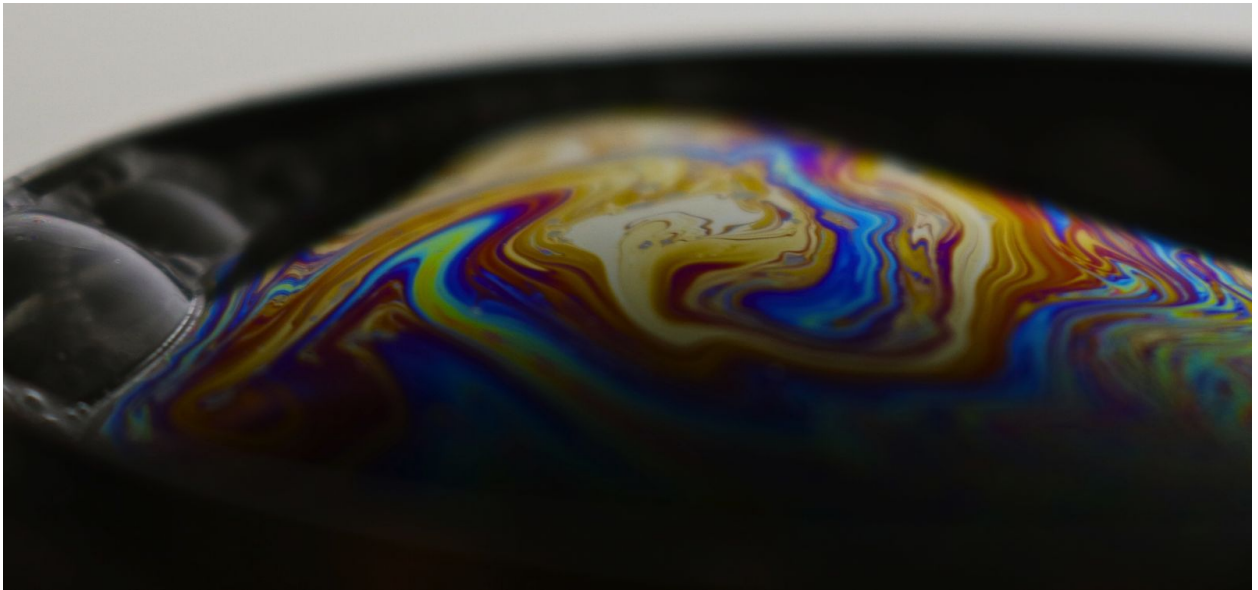


TEAM 3RD REPORT

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MCEN 4151-01



The intent of this project was to further explore different types of flows, and methods of capturing them with our teams. It gave the class another opportunity to create a controlled environment to observe the phenomenon of their choice. This image shown above was one of many taken by our group for this project and shows just one of the many situations and orientations we explored.

The phenomenon shown in this image is actually just light reflecting off of a bubble. The bubble itself was composed of water, sugar, and dish soap. The purpose of using the sugar was to create a larger, more robust bubble that would last long enough for the group to get a decent image of it. The bubble itself was formed by dipping a coffee mug into the solution.

The visualization of this phenomenon came from the controlled environment and the light source. The room the photograph was taken in was completely dark, except for the light source used to create the color on the bubble. For the shoot, two different light sources were used. The first was a TV screen lit to be plain white. The second was a desk lamp. The TV screen produced discrete colors of red green and blue, due to the light it was emitting. This image displays the light from the desk lamp, which emits continuously across the visible light spectrum. This gives the image the interesting swirls of a variety of colors, and makes the image aesthetically pleasing.

The photographing technique of this photo was also very simple. The mug was oriented as it appears in the photo and the camera was oriented to take a picture of the size of the bubble. The light source was directly above the bubble and was concentric with the bubble itself. The iso was set relatively low due to the low lighting in the room.

The postprocessing of this image involved a few basic steps that helped focus and highlight the colors in the image. The first step was to crop out a decent amount of the black space in the background of the image, and some of the bubble colors that were less focused. After the image was cropped the saturation was turned up and the shadows were turned down. Finally the contrast was turned up get a brightly colored final image.