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Team 2 Assignment
Flo-Vis 2012

Team 2 Assignment

For my Team 2 assignment I wanted to experiment with a macro lens attachment. The image I intended to capture was a range of focal points with the center of the image in very deep focus. I decided to use oil and vinegar, as these are two insoluble substances and have a different color. The lens attachment disabled by aperture. I could not use my f-stop, causing me to have a fixed depth of field. In this project I took a range of shots on different things I could make the oil and vinegar do.

Putting vinegar in oil is not something that is just been discovered. As the vinegar sinks to the bottom because of its density, and its insolubility with oil, it does not mix with the oil. This effect can lead to some very cool images. I added about a cup of olive oil to a glass bowl. From there I began adding more and more red wine vinegar to the oil, taking pictures as I was doing so. I held the camera close to the bowl and tilted it down to a 45 degree angle as to get a clear image.

The materials I used were olive oil, red wine vinegar, and just a dash of grenadine to tint the oil slightly red. In a regular sized glass bowl I began to mix. As I took many pictures, I had a chance to experiment with the oil many times. Because the macro lens disabled my aperture, I had to use other camera settings, as well as lighting situations to get a clear image. I ended up using only the ambient light of the room as well as a small desk lamp, which was very close to the bowl.

The scale at which this picture was taken shows the biggest bubble at only 5mm in diameter. The image is about 1.5 x 3 inches in its view. The camera was only about two inches from the surface of the oil because of the small depth of field cause by the

macro lens attachment. I used a Canon rebel with a macro attachment. The lens caused me to adjust my shutter speed to be 1/20 fps. My ISO was 400, and all other settings were disabled. The great thing about this image is that I did not color correct it in Photoshop. As I began messing with the color corrections, I went back and forth between my edited version and my original. I came to find that the original was, for me, the best contrast of color.

For this assignment, I most enjoyed using the macro lens attachment. Although it disables some settings of the camera, which in turn makes you adjust the environment of the experiment, it still worked very well in this case. I like this image because it is very deep in color and focus in some spots as well. To further this experiment, I would have to use a lens that has an aperture that I could adjust. This would allow me to change my shutter speed and take pictures of faster moving mixtures. I believe in this assignment I achieved my intent while I also learned a lot about different lenses and focal lengths.