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Film 4200 Flow Visualization  
Prof. Hertzberg  
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### Team Report 2 – Individual

To be honest, I completely forgot about this photo assignment due to my larger film project that was filmed during my spring break. I found an image I took back from our first assignment, Get Wet project. It is a simple, but elegant photograph of a water droplet plummeting from the tip of a giant icicle. I live in the old, large, white Victorianish house directly across the street from CU. The house is dilapidated and is utterly failing apart. The roof slopes into a specific area, causing all the drainage to flow directly above a doorway. It creates an icicle cluster that can reach 5 feet in length. This simple picture is about the flow of water affected by gravity. The image, at least for me, gets placed on a humorous note since it was taken on 1/11/11. As I described above I took the picture directly in front of my house.

The natural phenomenon that subjects physical matter to weight and fall to the ground when thrown into the air. Its gravity, Newton discovered it, we all learned it in third grade. What more interesting is the tiny secondary dot in between the tip of the icicle and the head of the droplet? I searched but was unable to find scientific classification of this amazing feat of nature. I suspected it the tiny orb to have been slightly projected upwards by the release in tension as gravity took hold of the water drop.

Using a Digital SLR Canon Rebel XT armed with a 50mm lens I successfully exposed the image at an aperture value of 2.5 at 1/3000 sec. An ISO of 400 allowed

me to capture the fast moving water in crisp detail while limiting the depth of field to just the water and icicle. The distance to foreground elements was at the minimum focal distance of one and a half feet. In post I heightened the contrast and de-saturated the color to bring out the light source and enhance its brilliance.

I shamelessly dub this a near perfect photograph. The focus and quality of the image should have been better. I for some reason took the photograph as a jpeg.