

Selected students' contributions to the BIS 382 class portfolio, Sp 2007



***Cypricis aurulenta*, Aaron Burgy**

Contributor: Aaron Burgy

Keywords: Metallic Armored Beetle

Description: This lovely beetle is the “golden buprestid”, *Cypricis aurulenta* (formerly *Buprestis aurulenta*). They are relatively common in the Pacific Northwest. The larvae bore in dead and dying conifers, and sometimes get trapped in milled lumber. In such cases, they may continue boring for decades (record is 51 years) before emerging as adults like this one. Usual life cycle is probably 3-5 years.



Pollen Grain, unknown

Contributor: Anthony Hughes

Keywords: pollen, scanning electron microscope, dandelion

Description: This is a dried pollen grain from a common dandelion (*Taraxicum officinale*) as it appears through a scanning electron microscope (SEM). I was attracted to the images generated by SEM after the lecture and class discussion on dimension. The images generated by SEM do a great job and representing dimensions and detail. I found the detail and diversity in something as simple as pollen grains amazing it is now clear how so much research can be done into the past simply by looking at pollen. I choose to post the dandelion pollen as it represents the new detail found as you look at an organism with new technology.

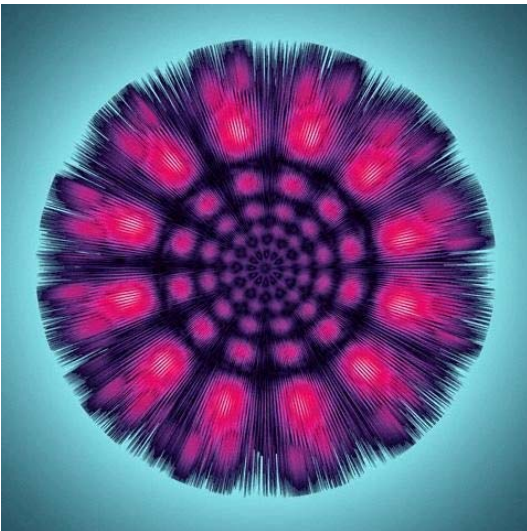


Tree “Trunk”, Melanie Panoke

Contributor: Melanie Panoke

Subject: Tree, Trunk, Body Form

Description: The Tree “Trunk” image was photographed along a walking trail at Lincoln Park in West Seattle. I was amazed to see how much this particular tree resembled the human body which appears to be performing a twisting sit-up showing a muscular abdomen. The tree reminded me of pottery piece I created called “Body Pots” which also resemble the body form. Close observation will reveal numerous holes bored by the neighborly woodpeckers amongst the plated and flaking bark.



Sound wave as visual, Mark Fischer

Contributor: Curtis Turnell

Keywords: Cetaceans, whale song, mathematics, computer programming, audio into visual

Description: Artist/engineer Mark Fischer has created a mathematical algorithm in a computer program to transform the sounds of whale song into visual art. This image represents a segment of whale song, processed by the computer program, and output as a color image. The audio information contained in the whale song such as frequency, wavelength, and amplitude are each decoded and reassembled by his special process to appear as color and shape. Each whale song is different, and each piece of art produced has its own unique form and color arrangement. I am very interested in this interpretation of audio as visual and would like to investigate the reverse: visual information as audio; I wonder what the Mona Lisa would sound like?