



Doug Craft

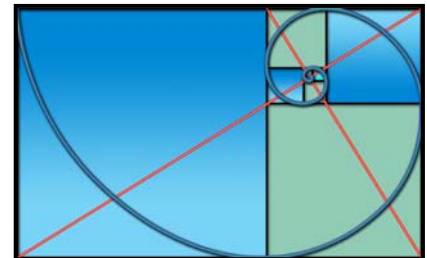
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<http://www.DougCraftFineArt.com>

## Artist Statement

There is a perfection and unity of form in nature that I believe represents fundamental aesthetic beauty. Nature is sublimely organized from the subatomic to the cosmic scale following the mathematics of fractional symmetry (fractals), self similarity, and the Golden Ratio. For example, adjacent bones in your fingers, adjacent chambers in the shell of a chambered nautilus, and the positions of the features on your face are all scaled according to the Golden Ratio. Golden Ratio proportioned branching is seen in microscopic crystals, bird feathers, and trees. The same forms also appear at vastly different size scales in nature: the structural model of the atom is repeated at the solar system and galactic scale, and many microscopic and satellite images are very similar in appearance.

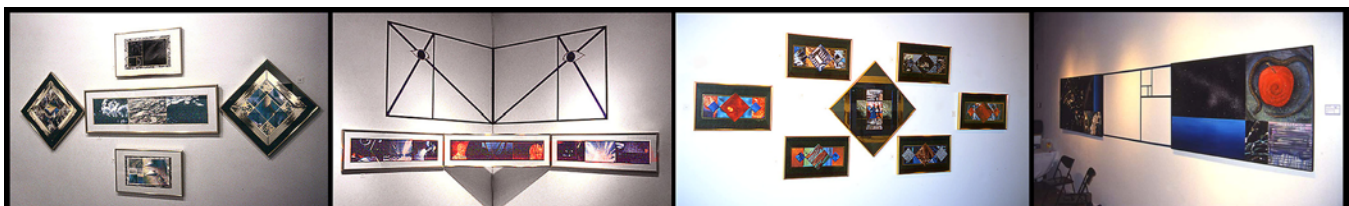
In addition to appearing as a proportion throughout nature, the Golden Ratio has been recognized and used as a formal element by artists throughout the ages. My collage, photography, and painting continues the ancient tradition of appreciation for this universal geometry with forms based on the Golden Rectangle (aspect ratio of 1: 1.618, seen in the diagram to the right with a superimposed logarithmic spiral), overlapping Golden Rectangles (square root of 5 rectangles, aspect ratio 1: 2.236), and other combinations of proportional squares and Golden Rectangles.



My work juxtaposes Golden Proportional images of nature from several levels of magnification, from the microscopic to the cosmic, applying the concept of a "collage of backgrounds." These abstract natural images are actually representational and obey the same geometric and mathematical laws of form that are similar at all scales of enlargement. This combination of micro, macro, landscape, and planetary scaled images in Golden Ratios dramatically underscores the unity of fractal forms in nature. Further, my work suggests that formal beauty in art is based on a recognition and emulation of universal structure, and that abstraction and realism are part of the same underlying process.

During the past 10 years, I have been consistently productive, creating a large body of work that is posted on my website, <http://www.DougCraftFineArt.com>. My most recent work has included a series of 84 collages, *The Elements in Golden Ratio*, based on the classical elements earth, air, fire and water; 185 new *macrophotos*; 68 new *experimental photographs*; a large number of *microphotographs* (>1,500) of chemical crystals, geological thin sections, butterfly wings, and other biological specimens; a series of 20 framed *photomontages* constructed using microphotographs, experimental photographs, macrophotographs, and landscapes; as well as a new series of Golden Ratio *panorama landscape photographs*. I have participated in several recent art exhibitions, and organized an exhibition of collaborative paintings, *Sacred Geometry 2003*, that involved the creation of five collaged Golden Rectangle paintings with four other Denver artists.

The photos below from previous exhibitions show how my work can be displayed in dramatic assemblages arranged using the Golden Ratio:





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## Artist Resume

### Education

BS Chemistry, BS Interdisciplinary Sciences, University of West Florida, 1975  
Studied art with Duncan Stewart, University of West Florida, and Ralph Hunt, Pensacola Junior College, 1971-1975

### Creative Activity

Visual Artist: 1971-present. Collage, photography, and painting. Member CORE New Art Space, 2000-2002.

Musician: 1969-present. Guitar, bass, keyboards, percussion. *Severely Bomba*, with Mike Vargas and Ted Altenritter, 1978-1981. Rock video, *Catfish Killers*, with *Steel Alligator Boy*, broadcast on KBDI, 1982-1983.

Research Chemist: 1976-2008, U.S. Bureau of Reclamation, Denver, Colorado. Environmental chemistry, trace metal speciation and bioavailability, toxicological chemistry, and geochemistry. Numerous scientific reports and journal papers. *Who's Who in America*, 2001, 2005. *Who's Who in Science and Engineering*, 2007.

### Art Exhibitions

- ◆ *Wide Open Whatever*, Juried Exhibition, January, 2000, CORE New Art Space, Denver Colorado
- ◆ Winter Salon, Juried Exhibition, December, 2000 - January, 2001, Aperture Gallery, Denver, Colorado
- ◆ *Doug Craft: Golden Rectangles*, annual member show, August 2001, CORE New Art Space, Denver, Colorado
- ◆ *Doug Craft: Collage and Montage in Golden Ratios*, annual member show, February, 2002, CORE New Art Space, Denver, Colorado
- ◆ *Doug Craft: Golden Horizons*, one man show, June, 2002, The Elephant Bean Coffee Company, Lakewood, Colorado
- ◆ Annual Associate Members Show, October, 2002, CORE New Art Space, Denver, Colorado
- ◆ *Sacred Geometry 2003: A Collaboration of Artists*, May-June, 2003, V-Gallery, Denver, Colorado
- ◆ *Doug Craft: Golden Ratios*, one man show, April 1-30, 2004, Barnes and Noble Bookstore, Golden, Colorado
- ◆ *A Beautiful World: Art and Mathematics*, Juried Exhibition, September 7 - October 4, 2004, Arapahoe Community College, Denver, Colorado
- ◆ *Two in One - One in Two: Mathematics in the Arts*, February 2005, Article in *Math Horizons* magazine, by Carla Farsi and Doug Craft, includes artwork images.
- ◆ *Patterns in Nature*, April 2005, Juried Digital Web Exhibition, University of Colorado's Special Year in Mathematics, Boulder, Colorado.
- ◆ Winship Cancer Institute, Emory University, September 2005, Permanent Display of 9 Collage Prints, through Novus, Inc., art brokers, Atlanta, Georgia
- ◆ *25th Anniversary Show*, CORE New Art Space, September 2006, Denver, Colorado
- ◆ *Human Organics*, Colorado Sustainable Living Association, February 2007, Lincoln Center, Fort Collins, Colorado
- ◆ *City of Aurora Art in Public Places Program*, January - May 2008, 12 framed photomontages displayed in Aurora Justice Center