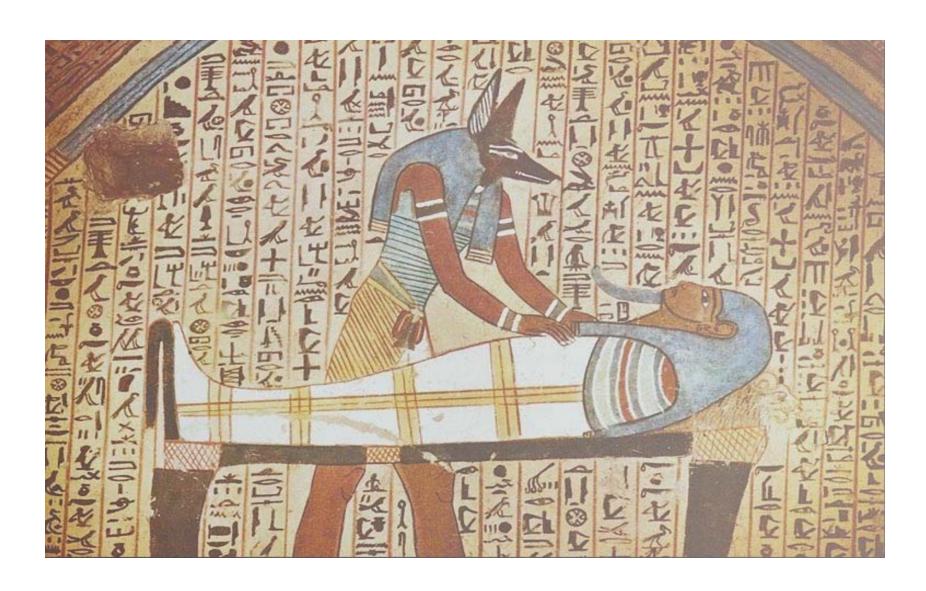
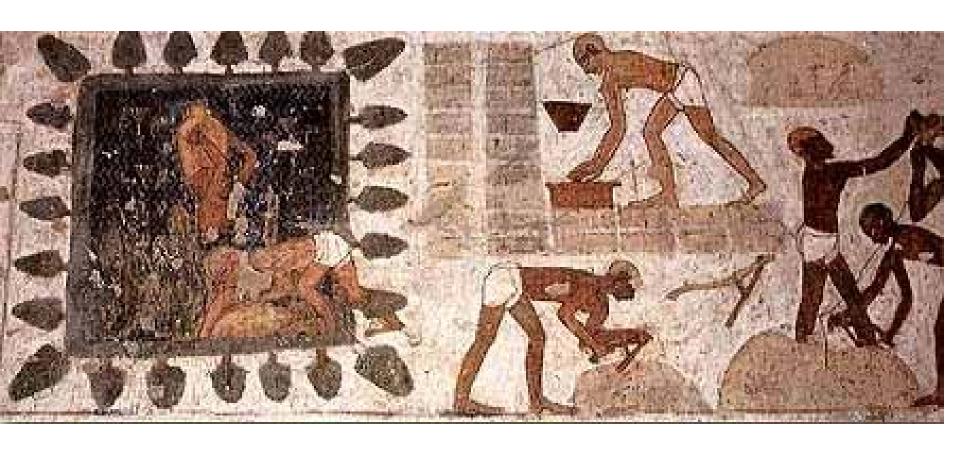


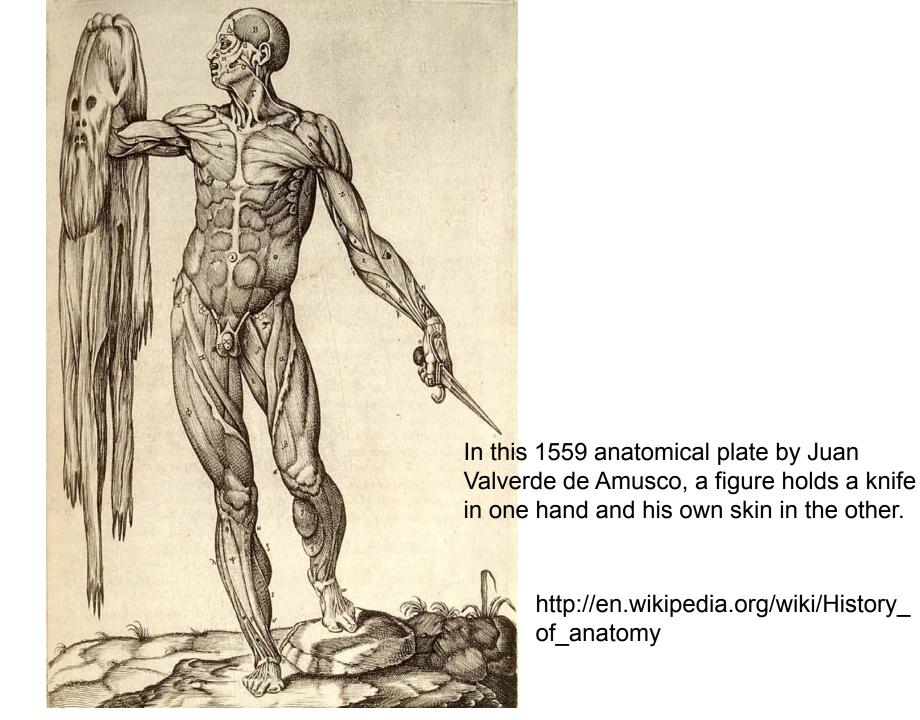
Historical Perspective of art with science



Mummification Ca 2500 BC

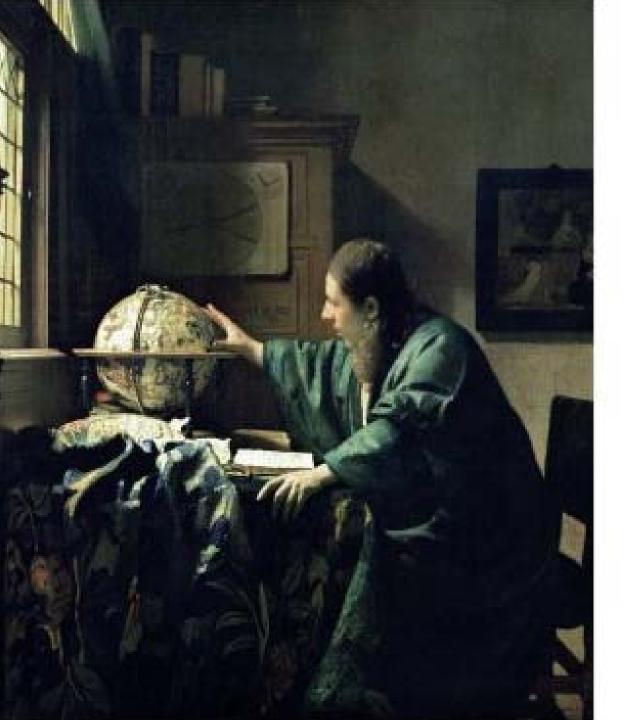


Egyptian Pyramid building

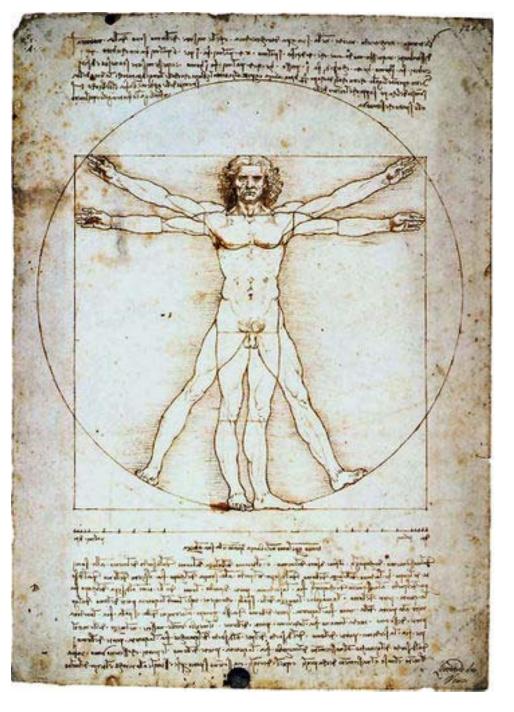




David Teniers (1610-1690) The Alchemist, c.1645.



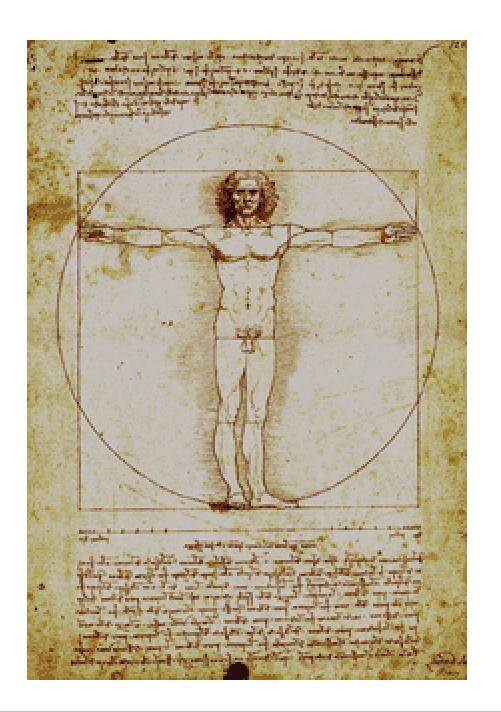
The Astronomer Johannes Vermeer C 1668



Vitruvian Man Leonardo Da Vinci (1471-1528)

Heaven and Earth

Marcus Vitruvius Pollio (born ca. 80/70 BC?; died ca. 25 BC) was a Roman writer, architect and engineer



A mathematical algorithm!

"Ich aber quadriere den Kreis ..."

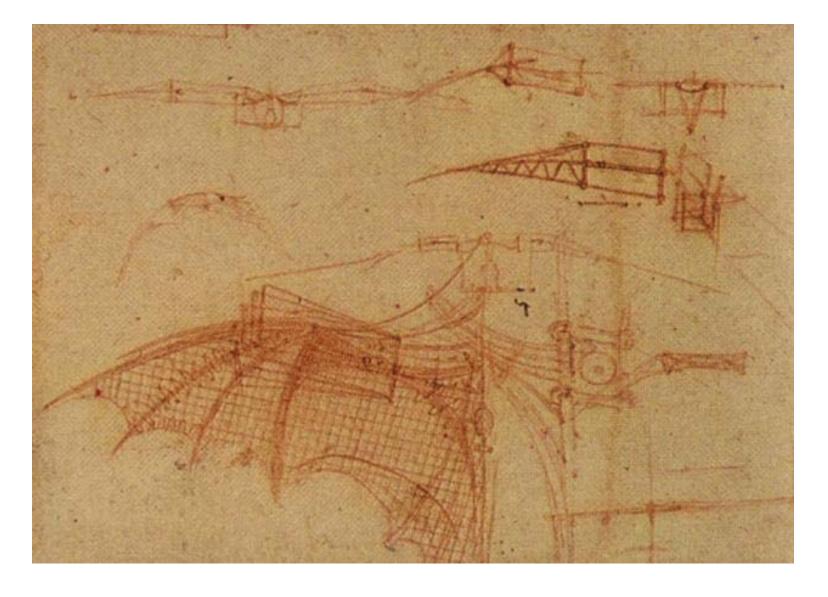
Leonardo da Vincis Proportionsstudie by Klaus Schröer / Klaus Irle

148 pages, 61 pictures MV-Verlag, Münster

ISBN: 978-3-86582-547-6



drawing of a flying machine, Leonardo da Vinci, 1488



Design for a Flying Machine Da Vinci c. 1505



Studies of Water passing Obstacles and falling, Da Vinci c. 1508-9

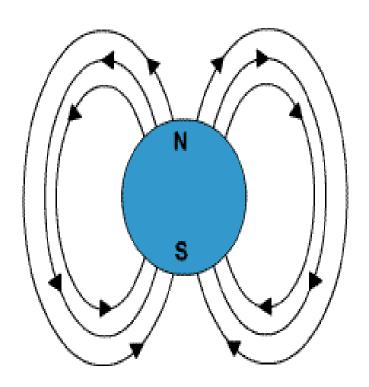


Physics of fields





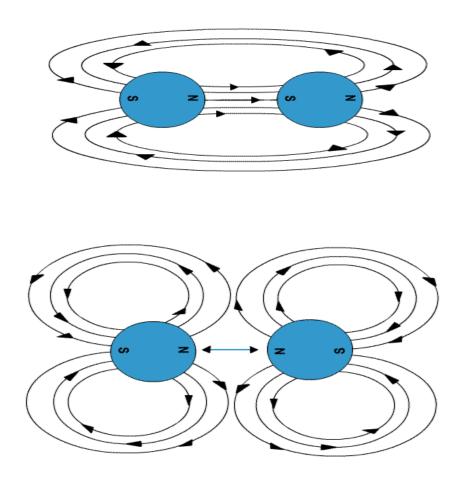
Magnetic Field Lines



http://www.school-for-champions.com/science/magnetism.htm

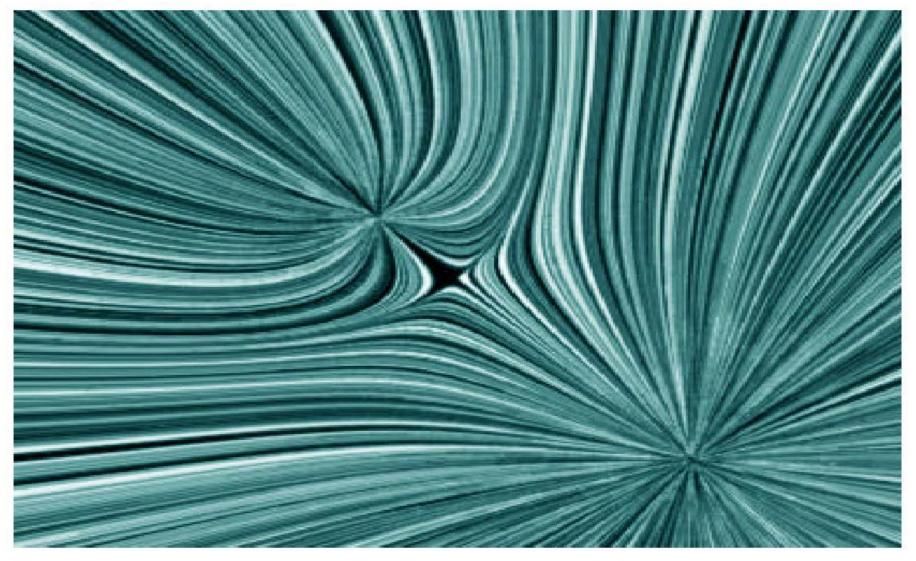


Interacting Magnetic Field Lines

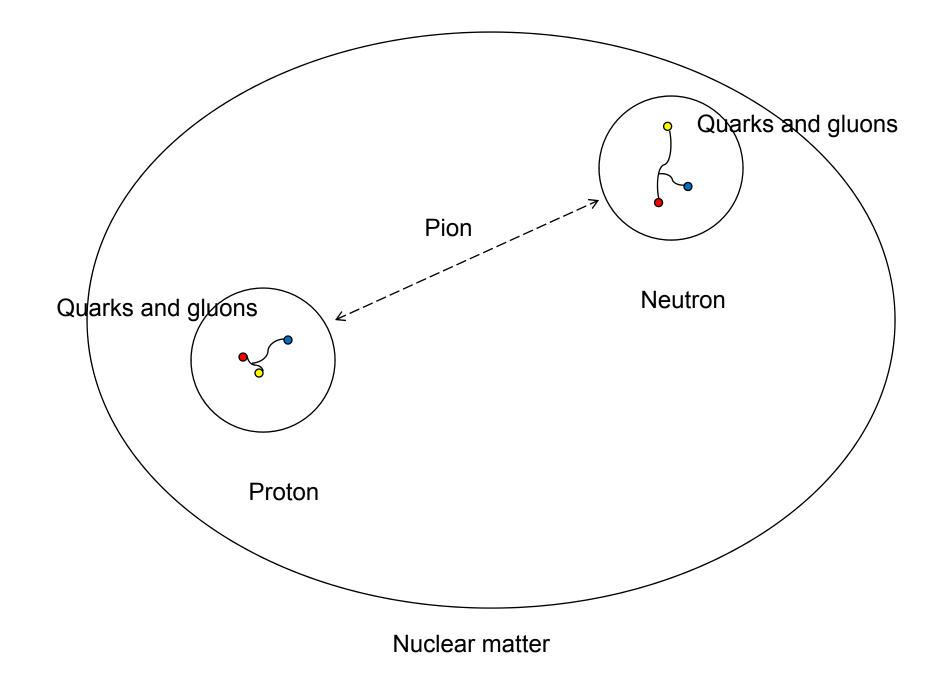


http://www.school-for-champions.com/science/magnetism.htm

Electric Field lines between two charges



From an MIT physics website ocw.mit.edu/NR/rdonlyres/hs/physics/k/8_02t_spring_2005_prs_w01d2.pdf



Reflect on those who you enjoy sharing breath with.

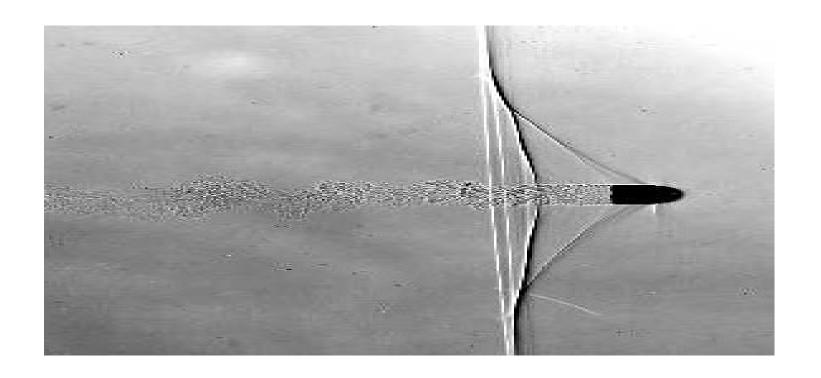
And then reflect on those who you have aversion to sharing breath with



And then think about the space that holds all of that.



Stroboscope photography



Shadowgraph (**Schlieren photography**) of a .22-caliber bullet in flight Taken by an MIT freshman in 1962, in Edgerton's lab. The flash was triggered by the shock wave (shown) hitting a microphone (out of frame). The picture shows no solid object except the bullet.



Bubble Chamber Art



Lylie Fisher "Beauty bubbles through" Symmetry Magazine V03, issue10, Dec 2006

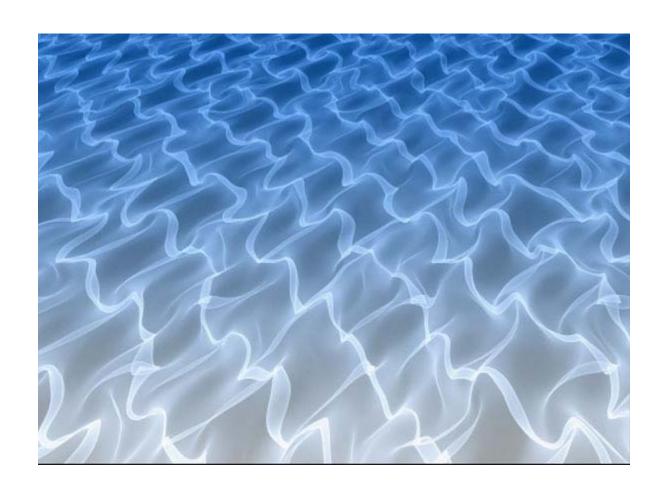


Hubble's view of The Orion Nebula

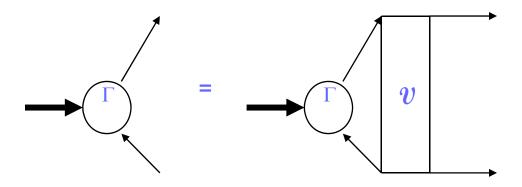


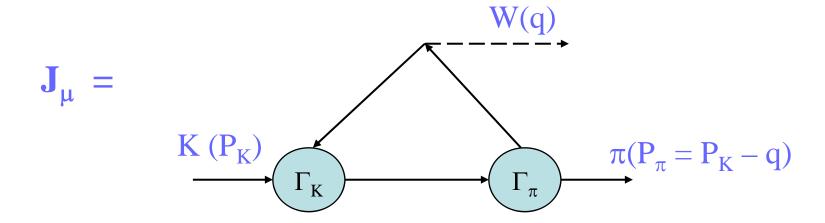
Sea shell based on logarithmic spiral – created with fractals by Clifford Pickover

Art and Physics



Caustic I by Eric Heller http://www.ericjhellergallery.com/





$$J^{\mu} = (G_F/\sqrt{2}) V_{us} [f_+(q^2)(P_K + P_{\pi})^{\mu} + f_-(q^2)(P_K - P_{\pi})^{\mu}]$$



prototype seven-cell superconducting accelerating cavity

Art Mirrors Physics Mirrors Art

Einstein, Picasso: Space, Time, and the Beauty That Causes Havoc Arthur I. Miller Basic Books (Perseus), New York, 2001. (357 pp.). ISBN 0-465-01859-X

2001 Physics Today Review



Les Demoiselles d'Avignon: Picasso's 1907 excursion into a fourth dimension.

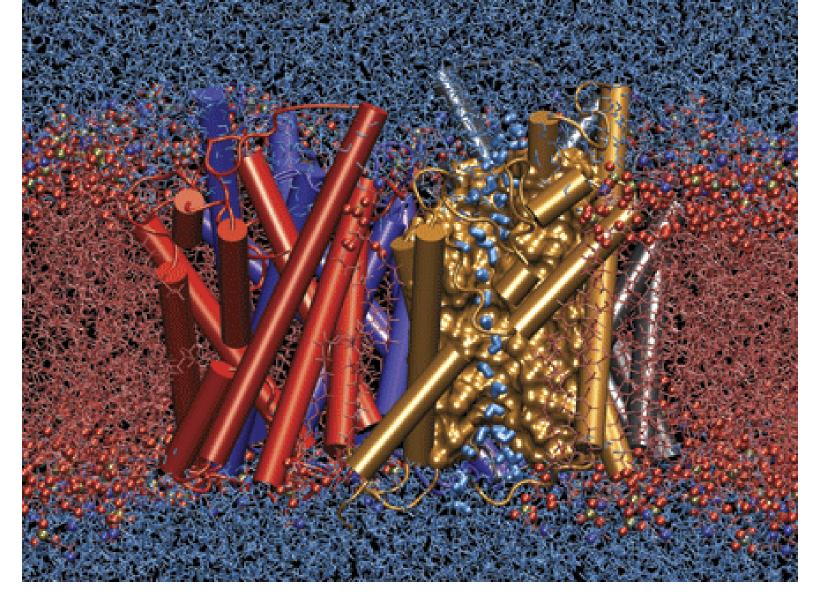
Jérôme Basserode's huge spinning tops are some examples of Signatures of the Invisible, a joint project by CERN and the London Institute, the world's largest college of art and design.

Feb 2002





"The Peanut" Not quite L = 1 orbital outside Physics-Astronomy Building University of Washington, Seattle



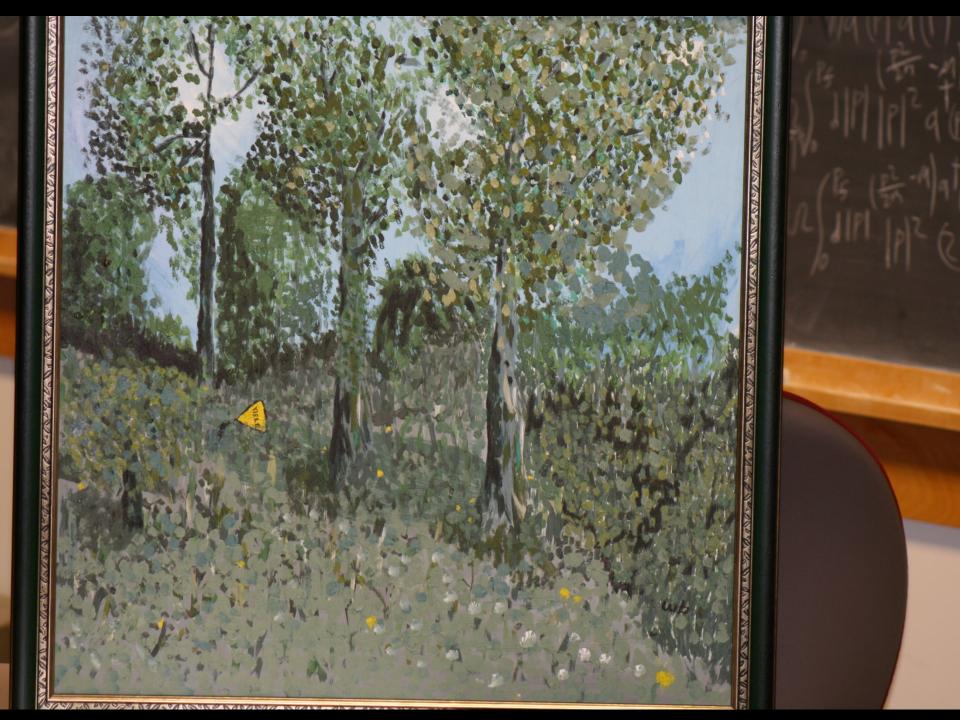
Winner 2004 Visualization Challenge

Water Permeation Through Aquaporins
Emad Tajkhorshid and Klaus Schulten,
Theoretical and Computational Biophysics Group,
University of Illinois, Urbana-Champaign

My art:

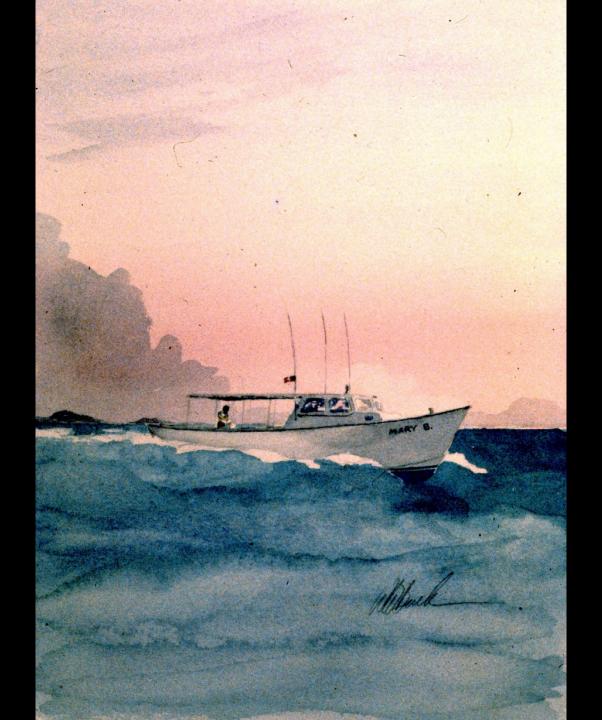
(1) My Artistic development

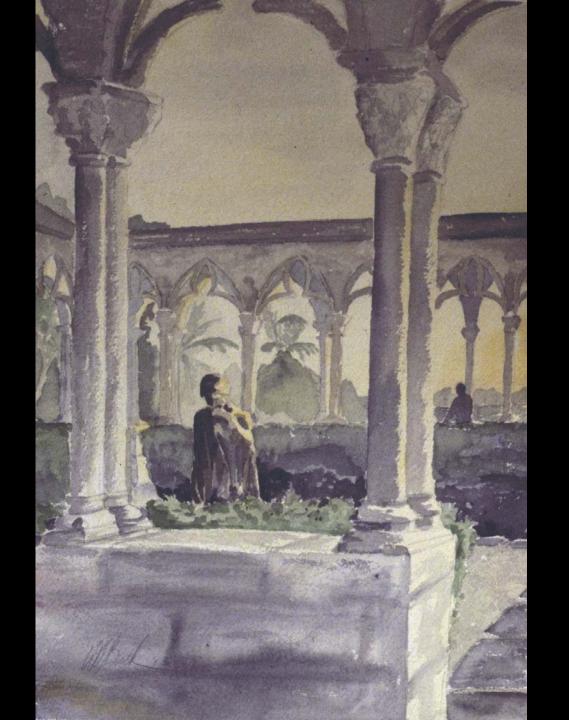
(2) Interacting fields art (Ωmega Art)











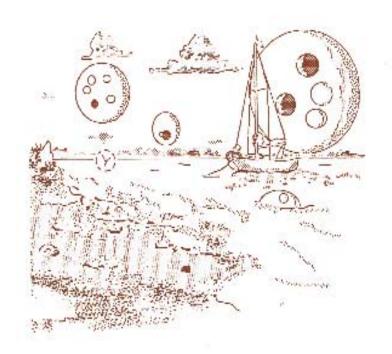


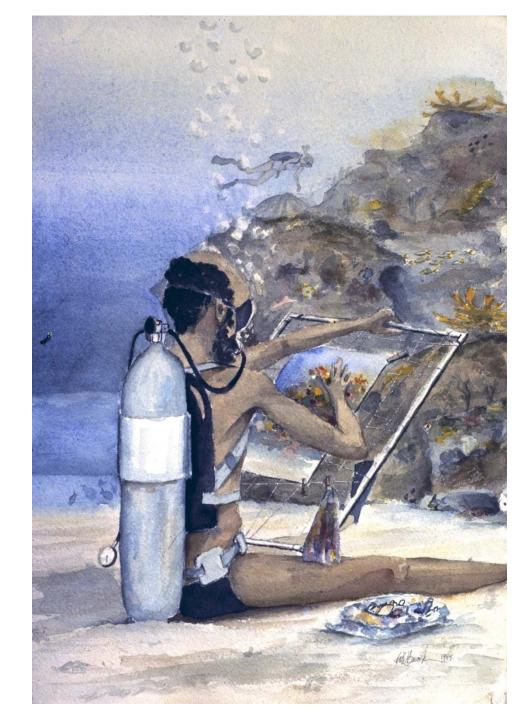


FIFTH ANNUAL

HUGS AT CEBAF

MAY 29 - JUNE 16, 1990





Self Portrait –
Developing Underwater Painting
On the ocean floor in the Bahamas
1981-83

Painted in watercolor above sea level



 $Underwater colour\ 2\ ({\rm oil\ on\ wood})$

My Art of Interacting Fields

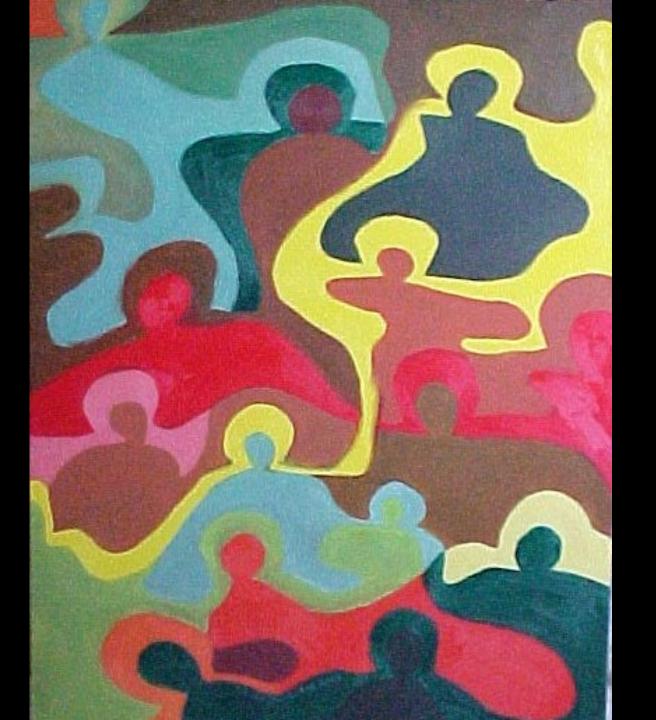






3/12

Come Together















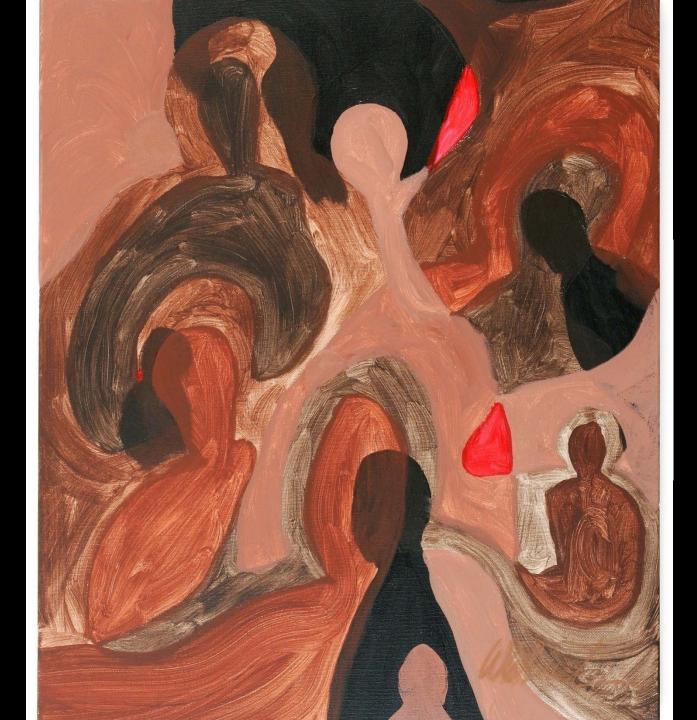












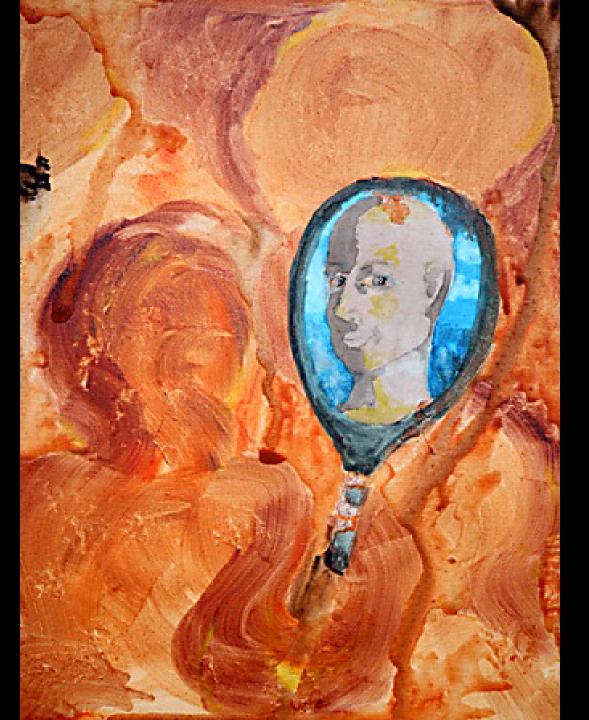












Reflections (seeing what we want to see)

Or

My version of interacting fields

Reflect on those who you enjoy sharing breath with.

And then reflect on those who you have aversion to sharing breath with



And then think about the space that holds all of that.

http://faculty.washington.edu/wbuck/WWBindex.html

