



## KEITH NESBITT

19th - 20th May, 2007  
Newton Open Studios  
Woodside Garden & Studio  
Newtonville, Boston, USA

The paintings in this exhibit record an exploration into a number of "ideas" from the science of complex systems. These ideas include, models of reality, discontinuous and discrete spaces, modelling at different scales, recursion, evolution and chaos.

The artist is also a researcher in computer science. His research concerns many aspects of modeling, as well as perception and cognition and is more generally motivated by an exploration into the process of creativity.

In this exhibit, the paintings act as a record of the artist's meditation on subjects that have received some exposure in "pop science", but are more traditionally associated with particle physicists. Because many of the ideas explored are fundamental to our models of reality they are also topics that have been well visited by modern philosophers.

Some fundamental questions considered in the artist's work are, "What ideas are used to model the world? Where do ideas come from? Is everything just an idea? If we can model where ideas come from then can we model everything? Is everything the same as nothing?"

Below each picture is a list of some of the "ideas" associated with each of the paintings. The concepts may not necessarily be interpreted from the pictures, they merely provide a map to the ideas being explored by the artist as each painting evolved.

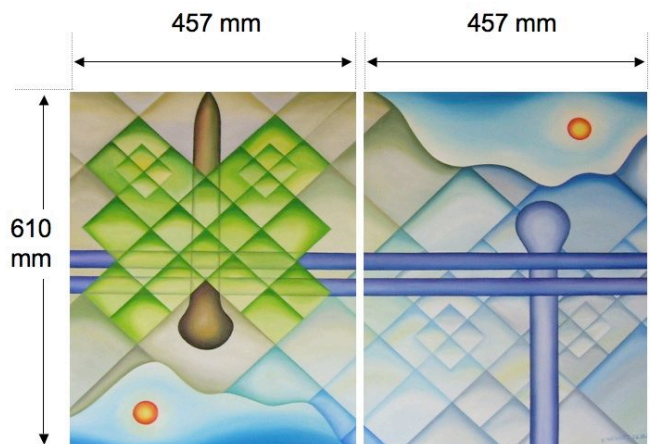
# Strange Attractors



duality, symmetry, asymmetry,  
multi-scale resolution, recursion,  
supposition, spin, opposites,  
self-similar, entanglement,  
spooky communication at a distance.

## Strange Attractors

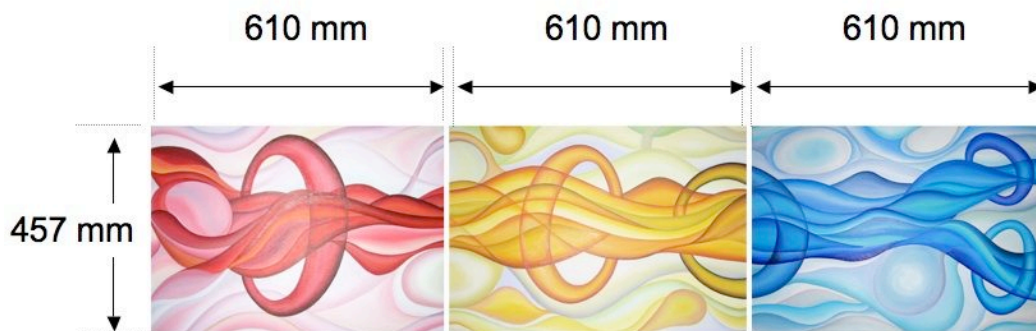
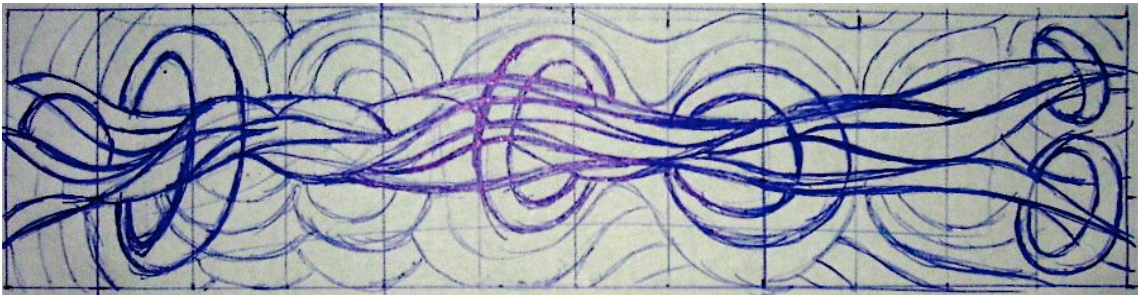
They say that funny things occur,  
inside of nuclear reactors.  
The parts that make  
the wholes of worlds  
are shaped by strange attractors.



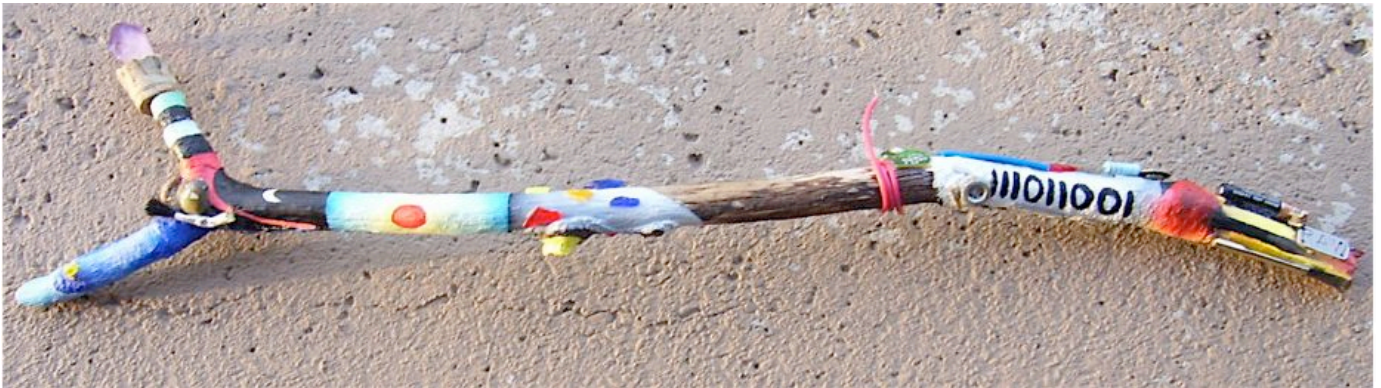
## Primary: Red, Yellow, Blue (Chromodynamics)



harmony,  
interconnection,  
abstraction,  
classifications,  
quarks (yellow=green),  
temporal patterns,  
emergence,  
topology,  
groups,  
strings,  
evolution.



## A Robot's Dream of Free Will



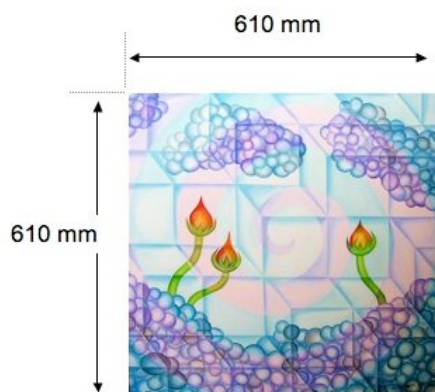
free will and determinism,  
duality, evolution,  
theory of mind,  
emergence, nature vs nurture,  
accident and pattern, synchronicity.



# Butterfly Wings



Zen and physics,  
spatial models,  
3D cellular automata,  
discrete vs. continuous,  
the butterfly effect, Tao,  
perception, chaos, reality



## Butterfly Wings

Some place in time,  
a butterfly's wings were beating.  
There was chaos where the light had been,  
darkness and starlight where the sun,  
had disappeared, retreating.

I was caught hoping that the day,  
would last a little longer.  
Caught holding onto memories,  
that made my hopes seem stronger.  
My hopes were just some dreams,  
that I'd forgotten to forget.  
But I was holding on to daylight,  
by the time the sun had set.

Some time in place,  
a butterfly's wings were beating.  
There was chaos in the scheme of things,  
a madness as each moment ran,  
disordered, fastly fleeting.

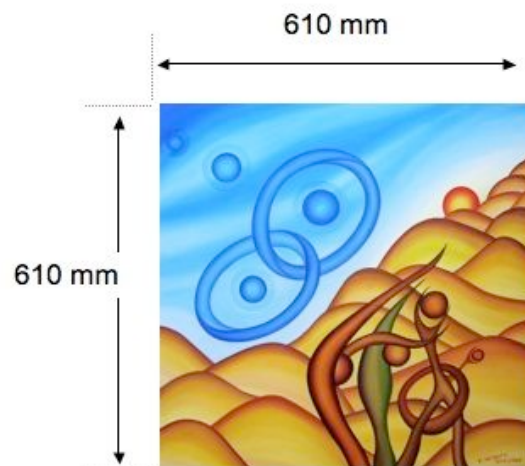
# Little Things



different scales, probability,  
synchronicity, interconnections,  
fields, wholes and parts, strings,  
flow, a moment.

## Little Things

Balls in circuit,  
orbit rings.  
Symmetry and harmony  
Connected pulsing,  
tiny strings,  
A window looking on to  
little things



# Wave and Particle



Wave and Particle  
Is light a wave?  
Is it a particle?  
Who cares -  
I'm going surfing.

