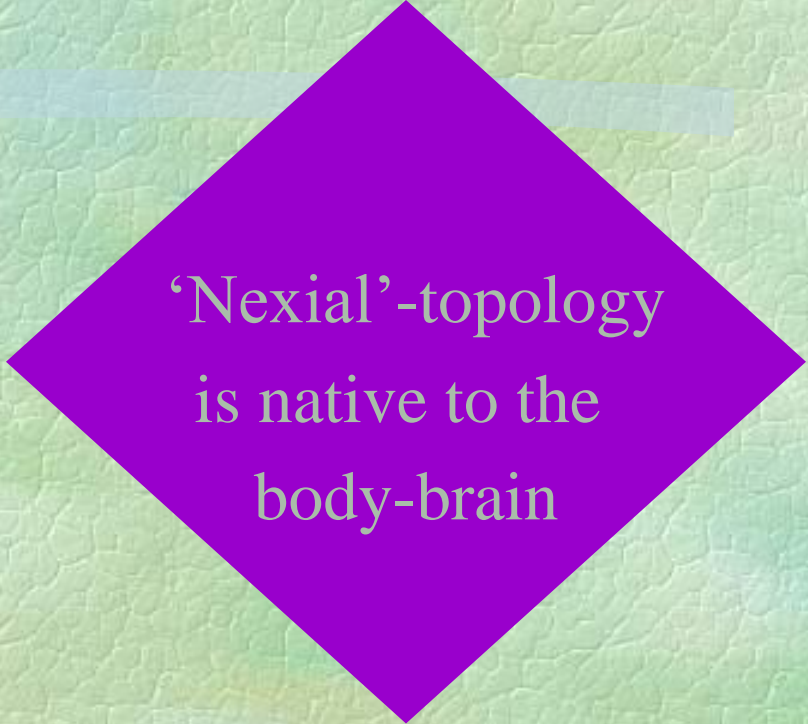


# Nexial-topology:

A native capacity from which the iconic symbols of culture appear ‘non-locally’.

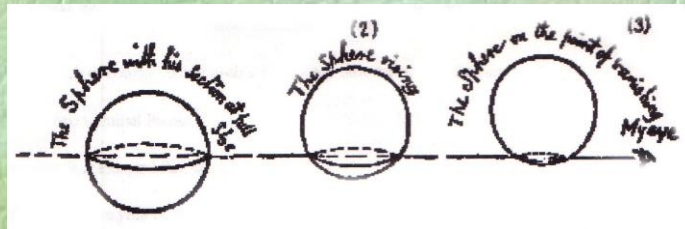
‘Most research in cognitive science has been conducted on ordinary cognition’  
(Nersessian 2002a p.134).



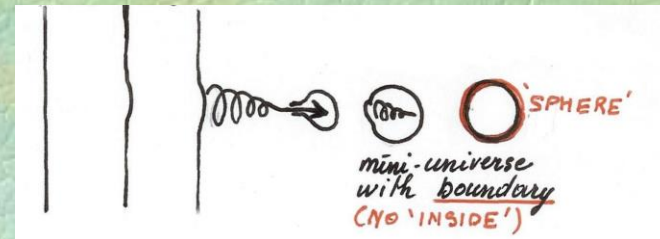
‘Nexial’-topology  
is native to the  
body-brain



# The appearance of mass, inertia, or heaviness 3 people's drawings - A 'non-local' cultural imaging?



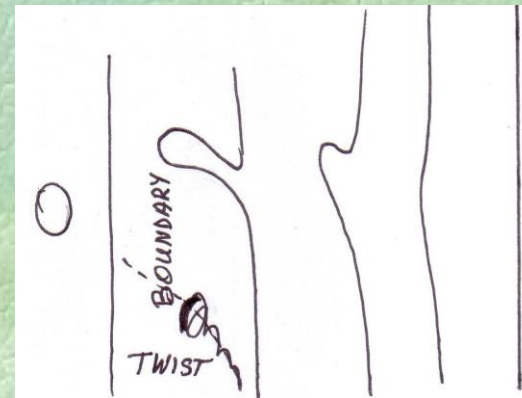
Abbott 1884, 'Flatland'



Bouchon 2004



Einstein 1913



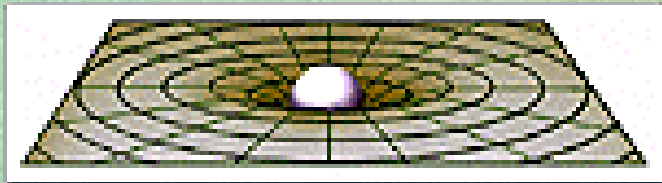
Bouchon 2006

# Turning-around the animated geometry into conventionalised rePresentations

Einstein's **geometry**  
of spacetime  
(a topologic space)  
and gravity



**Mathematically formulated:** the **inverted** image interprets as a massive *body* or a *physical* light (with a singularity: black hole)



‘Idealization is used to simplify a system to a point where mathematics can be applied to it.’ (Nersessian 1997, p.17)

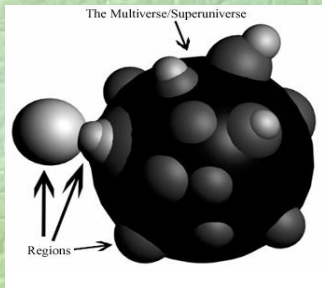
# Compare to ‘Making one’ in Qigong, mysticism, and cosmology,



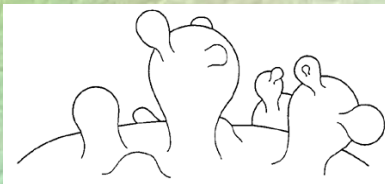
Deep confusing question about ‘the world’ (archaic)  
and about reality and space (modern):

‘whence from?’ (Wen Wei, Ou, 1999)

# Bubble-world making: the result of conventionalised topologies



The Multiverse SuperUniverse – the CIM and its bubbles produce extrusion of a potentially infinite number of regional universes.— Vacuum Fluctuation Models.



Inflation produces bubbles (mini-universes) that do not interact or coalesce but recede from each other.  
– Chaotic Inflationary Model.



Statistics of shape (see animation <Bubble up-down>)  
*Examples:* systemic boundaries, boundary conditions, bodies, selves, worlds, body concretions (growths, deposits), social groups

# Is 'it' real, ideal, imaginary?... or 'imaginary' and 'real' numbers of time / space projections?



'East wind'  
(Bouchon 2005)

Maxwell's first model  
(drawn from his paper)  
(Nercessian 2002 p.12)



'At one point Maxwell thought that  
the vortex model might be true. (p6)  
'The imaginary model was necessary  
for the creation of the theories.'  
(Nercessian 2002 p.12)

Recall: [Left: a plane of real number, right: a plane with imaginary numbers]

# Comparing general relativity, nature, and archaic imaging



see animation  
<grav-wave>



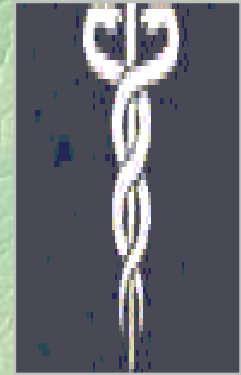
airflow at the end of a plane's wing



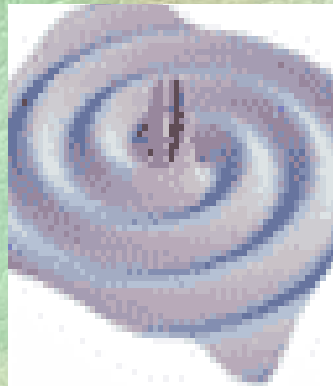
tornado



water swirling



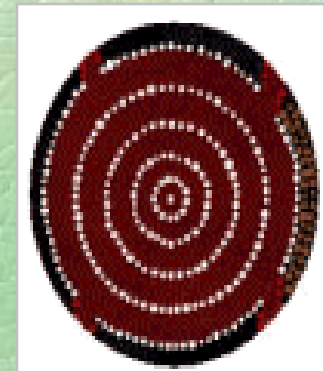
medical caduceus



general relativity

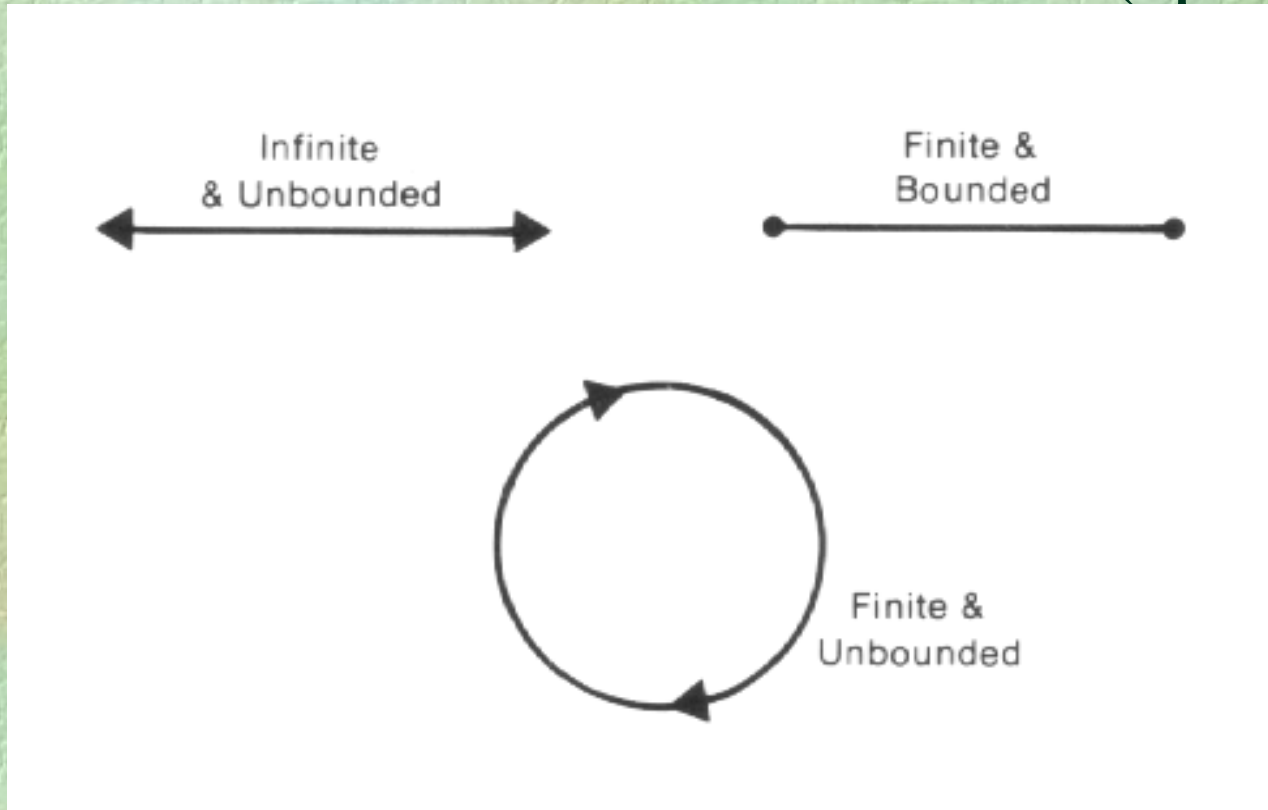


water and air



traditional symbols

# Compare Einstein to the conventionalised question of ‘unbounded’ in Sc-terms (space-time)



‘... that the Universe must be boundless. This does not necessary mean that the Universe is infinite, although this is the simplest solution. Notice also that space is not a receptacle for the Universe, space is physical and is contained with the Universe. Lastly, if the Universe contains everything, the it must contain its own origin mechanism, a bootstrap program’ Schombert. J., June 2006, Department of Physics, U. of Oregon



# ‘Nexial’-topology:

A ‘native’, non-algorithmic, non-linguistic way to ‘see’ the ‘shaping’ of a situation without differentiating according to conventionalised framing.

marika bouchon, University of Western Sydney

Ph.D. research advisor:

Professor Stuart Hill, Foundation Chair Social Ecology

[mbouchon@ozemail.com.au](mailto:mbouchon@ozemail.com.au)

