

Books and References: (updated 1/13/2010)

- 1) **The Singularity: Ray Kurzweil:** When humans and computers are integrated. ISBN: 0-670-03384-7
- 2) **The Spiritual Machine: When machines exceed human intelligence, Ray Kurzweil:** ISBN: 0-670-88217-8
- 3) **Emperors of the New Mind, Roger Penrose:** a central argument is that the human mind is capable of transcending rational thought, and hence cannot be duplicated by a machine. Rational thought is meant to be following rules or an algorithm to arrive at a result by a rational process of logical inference. Penrose also believed that the mind can access non-computable data, which allowed for free will.
- 4) **ISBN: 0-14-01.45346**
- 5) **The Phenomenon of Man, Chardin: ISBN: 0-06-090495X**
- 6) **Evolving the Mind, A.G. Cairns Smith: ISBN: 0-521-40220-4**
- 7) **A Brief History of Time; Stephen Hawking:** the scientific world-view is such that a belief in the active presence of God or Being in the cosmos is rather effectively disallowed. Some argue not the case with existence of Non-locality.
- 8) **the Case for God, Karen Armstrong:** ISBN:978-0-307-39743-0
- 9) **The Evolution of God, Robert Wright:** ISBN:978-0-316-73491-2
- 10) **Spacetime and Theology in Dialogue, Gideon Goosen:** ISBN-13: 978 0 87462 734 3
- 11) **Gödel's Proof, Nagel and Newman:** LOC card catalog # 58-5610
- 12) **Where Mathematics Comes From, Lakoff and Nunez,** ISBN: 0 465 03771 2
- 13) **The Elegant Universe, Brian Green:** ISBN:
- 14) **The Fabric of the Cosmos, Brian Green:** ISBN:
- 15) **The Big Bang, Simon Singh:** ISBN
- 16) **The Number Sense, 1997, Stanislaus Debaene:** ISBN:
- 17) **You are Here, a portable history of the Universe, Christopher Potter, 2009, :** ISBN:
- 18) **Gödel: A Life of Logic, Casti and DePauli:** ISBN: 0-7382-0274-6
- 19) **Emergence, from Chaos to Order, 1998, John Holland:** ISBN:
- 20) **Emergence, The Connected Lives of Ants, Brains, Cities and Software, Steven Johnson: 2001,** ISBN:
- 21) **Is God A Mathematician, Mario Livio 2009**
- 22) **Gödel, Escher Bach, Douglas Hofstadter,1989**
- 23) **Everything and More, a Compact History of Infinity, David Foster Wallace, 2003**
- 24) **Why Does E=mc2 Brian Cox and Jeff Forshaw, 2009**
- 25) **Space time and Einstein An Introduction, J.B. Kennedy 2003**
- 26) **A History of Space from Dante to the Internet, Margaret Wertheim, 1999**
- 27) **Perkins, Judith (August 25, 1995). The Suffering Self; Pain and Narrative Representation in the Early Christian Era. London, England: Routledge. ISBN Special:BookSources/0-415-11363-6 LCCN 94-42650**
- 28) **The Gifts of the Jews: How a Tribe of Desert Nomads Changed the Way Everyone Thinks and Feels (Hinges of History) ~ Thomas Cahill :** "Somewhat more than five millennia ago, a human hand first carved a written word, and so initiated history, mankind's recorded story.

- 34) **[Biocentrism: How Life and Consciousness Are the Keys to Understanding the True Nature of the Universe](#)** by Robert Lanza and [Bob Berman](#) ; April 14, 2009); **ISBN-10: 1933771690**
- 35) **[Time and Space](#)** by [Barry Dainton](#); April 2002) **ISBN-10: 0773523065**
- 36) **Space, Time and Einstein: An Introduction** [J. B. Kennedy](#) ISBN-10: **077352472X**
- 37) **To Infinity and Beyond: A cultural History of the Infinite, Eli Maor, ISBN 0 691 02511 8**
- 38) **The Sacred World of the Celts, Celtic Spirituality and Mythology, Nigel Pennick, ISBN 0 89281 654 6**
- 39) Before the Dawn: Recovering the Lost History of Our Ancestors, Nicholas Wade; “travel back into the past, and the historical evidence is plentiful enough for the first couple of hundred years, then rapidly diminishes. ISBN 10: 014303832X

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Cellular Automata: the Game of Life: From Complexity to emergence to beyond. This is an interesting site if you have time to doodle and play with cellular automata.
<http://serendip.brynmawr.edu/complexity/>