from

A Bibliography of Literary Theory, Criticism and Philology

<http://bit.ly/abibliog>

by José Ángel García Landa

(University of Zaragoza, Spain)

# Roger Penrose

(Professor of Mathematics, Mathematical Institute, U of Oxford; Gresham College, London, UK; Center for Gravitational Physics and Geometry, Pennsylvania State U, State College, Pennsylvania, leading authority on mathematical and theoretical physics, knighted 1994; Nobel Prize for Physics 2020 with 2 others)

**Works**

Penrose, Roger. *Spinors and Space-Time.*

\_\_\_\_\_. *Techniques of Differential Topology in Relativity.*

\_\_\_\_\_. *The Emperor's New Mind: Concerning Computers, Minds, and the Laws of Physics.* Oxford: Oxford UP, 1989.

\_\_\_\_\_. *La nueva mente del emperador.* Barcelona*:* Mondadori, 1991,

\_\_\_\_\_. *La nueva mente del emperador.* Barcelona: Debols!llo, 2006.

\_\_\_\_\_. *La mente nueva del emperador.* Mexico: FCE, 1996.

\_\_\_\_\_. *La nueva mente del emperador.* Trans. Javier García Sanz. Introd. José Manuel Sánchez Ron. Barcelona: Círculo de Lectores, 1996.\*

\_\_\_\_\_. "On Gravity's Role in Quantum State Reduction." *Gen. Rel. Grav.* 28 (1996): 581.

\_\_\_\_\_. *Shadows of the Mind: A Search for the Missing Science of Consciousness.* New York and Oxford: Oxford UP, 1994.

\_\_\_\_\_. (Answer to the Reviewers of *Shadows of the Mind*). *Psyche* (Jan. 1996).

\_\_\_\_\_. (Answer to the reviewers of *Shadows of the Mind*). Cambridge (MA): MIT Press, 1996.

\_\_\_\_\_. "Space-Time and Cosmology." In Penrose, *The Large, The Small and the Human Mind.* With Abner Shimony, Nancy Cartwright, and Stephen Hawking. Foreword by Malcolm Longair. Cambridge: Cambridge UP, 1997. 1-50.\*

\_\_\_\_\_. "The Mysteries of Quantum Physics." In Penrose, *The Large, The Small and the Human Mind.* With Abner Shimony, Nancy Cartwright, and Stephen Hawking. Foreword by Malcolm Longair. Cambridge: Cambridge UP, 1997. 50-93.\*

\_\_\_\_\_. "Physics and the Mind." In Penrose, *The Large, The Small and the Human Mind.* With Abner Shimony, Nancy Cartwright, and Stephen Hawking. Foreword by Malcolm Longair. Cambridge: Cambridge UP, 1997. 93-143.\*

\_\_\_\_\_. *The Large, The Small and the Human Mind.* With Abner Shimony, Nancy Cartwright, and Stephen Hawking. Foreword by Malcolm Longair. (1995 Tanner Lectures on Human Values). Cambridge: Cambridge UP, 1997.\*

\_\_\_\_\_. "Consciousness, the Brain, and Spacetime Geometry: An Addendum. Some New Developments on the Orch OR Model for Consciousness." In *Cajal and Consciousness: Scientific Approaches to Consciousness on the Centennial of Ramón y Cajal's Textura.* Ed. Pedro C. Marijuán. New York: New York Academy of Sciences, 2001. 105-10.\*

\_\_\_\_\_. *The Road to Reality.* 2004.

\_\_\_\_\_. *El camino a la realidad: Una guía completa de las Leyes del Universo.* Debate, 2006.

\_\_\_\_\_. "Roger Penrose - Why Did Our Universe Begin?" Video. *YouTube (Closer to Truth)* 16 Oct. 2020.\*

<https://youtu.be/ypjZF6Pdrws>

2020

Penrose, R., and C. J. Isham, eds. *Quantum Concepts in Space and Time.* Oxford: Oxford UP, 1986.

Penrose, R., C. J. Isham, and D. W. Sciama, eds. *Quantum Gravity 2: A Second Oxford Symposium*. Oxford: Oxford UP, 1981.

Penrose, Roger, and S. R. Hameroff. "Orchestrated Reduction of Quantum Coherence in Brain Microtubules: A Model for Consciousness." In *Toward a Science of Consciousness: Contributions from the 1994 Tucson Conference.* Ed. S. Hameroff, A. Kaszniak and A. Scott. Cambridge (MA): MIT Press, 1996.

Hawking, Stephen, and Roger Penrose. *The Nature of Space and Time.* Princeton (NJ): Princeton UP, 1996.

**Criticism**

Amos, Jonathan. "Roger Penrose, the Man Who Proved Black Holes Weren't 'Impossible'." *BBC News* 6 Oct. 2020.\*

<https://www.bbc.com/news/science-environment-54439150>

2020

Hawking, Stephen. "The Objections of an Unashamed Reductionist." In Penrose, *The Large, The Small and the Human Mind.* With Abner Shimony, Nancy Cartwright, and Stephen Hawking. Foreword by Malcolm Longair. Cambridge: Cambridge UP, 1997. 169-72.\*

Rincon, Paul. "Black Hole Breakthroughs Win Nobel Physics Prize." *BBC News* 6 Oct. 2020. (Roger Penrose, Reinhard Genzel, Andrea Ghez).

<https://www.bbc.com/news/science-environment-54420240>

2020

Video

Madrid, Carlos M., Íñigo Ongay and Luis Carlos Martín Jiménez. "Roger Penrose, un matemático-filósofo Premio Nobel de Física | TC089." Video. *YouTube (fgbuenotv)* 13 Dec. 2020.\*

<https://youtu.be/hzwK0UF-58w>

2020

Penrose, Roger. "Aeons Before the Big Bang." Copernicus Center Lecture. Video at *YouTube (CopernicusCenter)* 18 Nov. 2011.\*

<http://youtu.be/4YYWUIxGdl4>

2013

\_\_\_\_\_. "Q&A with 2020 Nobel Laureate Roger Penrose, 2020." *YouTube (Perimeter Institute for Theoretical Physics)* 9 Oct. 2020.\*

<https://youtu.be/fQPUYjoG5jI>

2020

Punset, Eduard, et al. "El Misterio De Los Orígenes." Documentary. (REDES 300). TVE 2, 2003. Online video. *YouTube (Redes, Divulgación y Cultura)* 24 Dec. 2012.\* (Sheldon Lee Glashow, François Jacob, Stephen Jay Gould, Richard Dawkins, Daniel Dennett, Brian Greene, David Cronenberg, Frank Tipler, Jonathan Weiner, Miguel Beato, Matt Ridley, Lynn Margulis, Harry Jerison, Ilya Prigogine, Nicholas Humphrey, Roger Penrose, Howard Bloom, Joseph Ledoux, Daniel Goleman, Miroslav Radman, Luca Cavalli-Sforza, Antonio Damasio, Lee Silver, Francisco Ayala, José Cibelli, Juan Carlos Izpisúa, Ilya Prigogine, Harold Morowitz).

<https://youtu.be/LWUFszXbxbE>

2016

Space Wind. "Roger Penrose: 'Quantum Mechanics Wrong And Consciousness Isn't computation'." Video. *YouTube*  *(Space Wind)* 9 Aug. 2023.\* (Observation, Attention, Computation).

<https://youtu.be/cgXEbbjpYXs>

2023

"Time since Einstein." Video debate, 2009. *YouTube (World Science Festival)* 11 Sept. 2014.\* (David Z. Albert, Fotini Markopoulou-Kalamara, George Ellis, Michael Heller, Sir Roger Penrose).

<https://youtu.be/d5G90ovdqmk>

2016

**Edited works**

*The Large, The Small and the Human Mind:*

Shimony, Abner. "On Mentality, Quantum Mechanics and the Actualization of Potentialities. " In *The Large, The Small and the Human Mind.* By Roger Penrose. With Abner Shimony, Nancy Cartwright, and Stephen Hawking. Foreword by Malcolm Longair. Cambridge: Cambridge UP, 1997. 144-60.\*

Cartwright, Nancy. "Why Physics?" In Penrose, *The Large, The Small and the Human Mind.* By Roger Penrose. With Abner Shimony, Nancy Cartwright, and Stephen Hawking. Foreword by Malcolm Longair. Cambridge: Cambridge UP, 1997. 161-8.\*