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by José Ángel García Landa

(University of Zaragoza, Spain)

# Thermodynamics

Artigiani, Robert. "El 'lector modelo' y el modelo termodinámico." (Umberto Eco). In *Ensayos sobre* El Nombre de la Rosa. Ed. Renato Giovannoli. Barcelona: Lumen, 1987. 476-94.\*

Bennett, Charlie. "The Thermodynamics of Computation." *Journal of Theoretical Physics* (1982).

Carnot, Sadi. *Puissance motrice du feu.* (Thermodynamics).

García Landa, José Angel. "The Thermodynamic Evolution of Heterogeneity." In García Landa, *Vanity Fea* 23 April 2016.\*

<http://vanityfea.blogspot.com.es/2016/04/the-thermodynamic-evolution-of.html>

2016

Gibbs, J. Willard. (Articles on the thermodynamical equilibrium of heterogeneous systems). *Transactions of the Connecticut Academy of Arts and Sciences* (1875-78).

Hoffmann, Peter M. *Life's Ratchet: How Molecular Machines Extract Order from Chaos*. New York: Basic Books, 2012.

Hornborg, Alf. "Machine Fetishism, Value and the Image of Unlimited Good: Towards a Thermodynamics of Imperialism." *Man* 1 (1992).

Le Roy, Édouard. *Sur l'intégration des équations de chaleur*. 1898.

Maxwell, James Clerk. "Limitaciones de la segunda ley de la termodinámica." In Maxwell, *Escritos científicos.* Barcelona: Círculo de Lectores, 1997. 257-58.\*

Medín, Joaquín. "Termodinámica y la crisis de energía." *Cruz Ansata* 7/8 (1984-85): 10-48.\*

Morowitz, Harold J. *The Thermodynamics of Pizza.* New Brunswick (NJ): Rutgers UP, 1991.

\_\_\_\_\_. *La termodinámica de la pizza: Ciencia y vida cotidiana.* Barcelona: Gedisa, 1995.

Odum, H. T. *Systems Ecology.* 1983.

\_\_\_\_\_. *Ecological and General Systems: An Introduction to Systems Ecology, Revised Edition.* University Press of Colorado, 1994.

\_\_\_\_\_. "Self-Organization and Maximum Empower." *Maximum Power: The Ideas and Applications of H. T. Odum.* Ed. C. A. S. Hall. Colorado: UP of Colorado, 1995.

Odum, H. T., and R. C. Pinkerton. "Time's Speed Regulator: The Optimum Efficiency for Maximum Output in Physical and Biological Systems." *American Scientist* 43 (1955): 331–343.

Patterson, John W. "Thermodynamics and Evolution." In *Scientists Confront Creationism.* Ed. L. R. Godfrey. New York: W. W. Norton, 1983. 99-116.

Prigogine, Ilya. *Introduction to Thermodynamics of Irreversible Processes.* Wiley, 1968.

Prigogine, Ilya, and Isabelle Stengers. *La nueva alianza.* Madrid: Alianza, 1983.

\_\_\_\_\_. *La nueva alianza: Metamorfosis de la ciencia.* Trans. María Cristina Martín Sanz. Introd. Antonio F. Rañada. (Biblioteca Universal, Ciencia). Barcelona: Círculo de Lectores, 1997.\*

Rosenberg, Martin. "Physics and Hypertext: Liberation and Complicity in Art and Pedagogy." In *Hyper/Text/Theory.* Ed. George W. Landow. Baltimore: Johns Hopkins UP, 1994. 268-98.\*

\_\_\_\_\_. "Dynamic and Thermodynamic Tropes of the Subject in Freud and in Deleuze and Guattari." *Postmodern Culture* (forthcoming 1994).

Smolin, Lee. *Three Roads to Quantum Gravity.*

\_\_\_\_\_. *The Life of the Cosmos.*

\_\_\_\_\_. *Time Reborn: From the Crisis in Physics to the Future of the Universe.* Boston and New York: Houghton Mifflin, 2013;\* London: Allen Lane, 2013.

Wolchover, Natalie. "A New Physics Theory of Life." *Quanta Magazine* 22 Jan. 2014.\* (Jeremy England, MIT).

<https://www.quantamagazine.org/20140122-a-new-physics-theory-of-life/>

2016

Internet resources

"Segundo principio de la termodinámica." *Wikipedia: La enciclopedia libre.\**

<http://es.wikipedia.org/wiki/Segunda_ley_de_la_termodin%C3%A1mica>

2013

Video

*BBC Horizon: Order and Disorder.* *YouTube* (Allex Ferreira) 23 Oct. 2012.\* (Energy and thermodynamics).

<http://youtu.be/tAIwBnDc7o0>

2013

*BBC Horizon Order and Disorder with Jim Al.Khalili-Information. EP02.* Online at *YouTube (Allex Ferreira)* 30 Oct. 2012.\*

<http://youtu.be/zmp29iFir7k>

2013

\_\_\_\_\_. "BBC Horizon Order and Disorder with Jim Al.Khalili." In García Landa, *Vanity Fea* 29 April 2013.\*

<http://vanityfea.blogspot.com.es/2013/04/bbc-horizon-order-and-disorder-with-jim.html>

2013

Brown, Harvey. "The Arrow of Time & the Many Worlds Interpretation." *YouTube (Brad Younger)* 28 Feb. 2015.\*

<http://youtu.be/RwYcPra40CY>

2015

D'Souza, Raissa. "Complexity (Entropy Increases, as Does Complexity. How Do we Understand This and Its Relation to the Nature of Time?" Video of the lecture at the Foundational Questions Institute symposium "Setting Time Aright: Investigating the Nature of Time", Bergen and Copenhagen, 27 Aug.-1 Sept. 2011. YouTube (FQXi) 29 Sept. 2011.\*

<https://youtu.be/LSO1mpeFUD8>

2016

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

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

2013

See also Physics.