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A Bibliography of Literary Theory, Criticism and Philology

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(University of Zaragoza, Spain)

**Sean M. Carroll**

(US physicist and cosmologist, Caltech)

**Works**

Carroll, Sean M. "The Origin of the Universe and the Arrow of Time." Lecture, 2009. 2-part video. *TED* Feb 2010.\*

<http://www.ted.com/talks/sean_carroll_on_the_arrow_of_time.html>

2011

\_\_\_\_\_. *Sean Carroll.\**

<http://preposterousuniverse.com>

2016

\_\_\_\_\_. "Tiempos lejanos e indicios de un multiverso." *YouTube (TED)* 6 May 2011.\* (Entropy, Boltzmann, cosmology).

<https://youtu.be/Y350oOiunf4>

2021

\_\_\_\_\_. "Cosmology and the Arrow of Time." *TEDX Talks* (2011).

<http://www.youtube.com/watch?v=WMaTyg8wR4Y>

2012

\_\_\_\_\_. "Setting Time Aright: Investigating the Nature of Time." Lecture at "Arrows of Time" panel, FQXi Conference, Bergen, 27 Aug.-1 Sept. 2011. *YouTube (FXQi)* 8 Nov. 2011.\*

<https://youtu.be/QR9reQrumS0>

2016

\_\_\_\_\_. *From Eternity to Here: The Quest for the Ultimate Theory of Time*. C. 2010.

\_\_\_\_\_. "Origin of the Universe and the Arrow of Time." Lecture at Villanova University. *YouTube (villanovauniversity)* 25 Jan. 2011.\*

<http://youtu.be/QFEeHC6UIdU>

2014

\_\_\_\_\_. "Purpose and the Universe." *YouTube (Carl Wong)* 8 June 2013.\*

<http://youtu.be/bcqd3Q7X_1A>

2013

\_\_\_\_\_. *The Particle at the End of the Universe.* 2012.

\_\_\_\_\_. "Layers of Reality." *Edge* 28 May 2015.\*

<http://edge.org/conversation/sean_carroll-layers-of-reality>

2015

\_\_\_\_\_. "Why Does Time Exist at All?" TED talk. *YouTube (Ernesto S. Ferreira)* 11 Sept. 2016.\*

<https://youtu.be/tqn73A5Csi0>

2018

\_\_\_\_\_. "The Big Picture | Talks at Google." Video lecture. *YouTube (Talks at Google)* 23 May 2016.\* (Causality, Universe, Physics, Science, Cosmology, Entropy, Life, Consciousness).

<https://youtu.be/x26a-ztpQs8>

2021

\_\_\_\_\_. "Sean Carroll on Causality and the Arrow of Time." Video. Lecture at the 6th International FQXi conference, "Mind Matters: Intelligence and Agency in the Physical World". *YouTube (FQXi)* 21 Aug. 2019.\*

<https://youtu.be/eG_eHDDMgCs>

2019

\_\_\_\_\_. *Something Deeply Hidden: Quantum Worlds and the Emergence of Spacetime.* 2019.

\_\_\_\_\_. "Something Deeply Hidden: Quantum Worlds and the Emergence of Spacetime." Video lecture. (Talks at Google, 17 Sept. 2019). *YouTube (Talks at Google)* 4 Oct. 2021.\*

<https://youtu.be/F6FR08VylO4>

2021

\_\_\_\_\_. "Daniel Dennett on Minds, Patterns and the Scientific Image." Audio. *The Preposterous Universe* 6 Jan. 2020.\*

<https://www.preposterousuniverse.com/podcast/2020/01/06/78-daniel-dennett-on-minds-patterns-and-the-scientific-image/>

2019

Carroll, Sean, and Craig Callender. "Craig Callender and Sean Carroll on the Arrow of Time and the Multiverse." *YouTube (CK)* 9 sept. 2013.\*

<http://youtu.be/rs6FsLMHBTs>

2015