

Determinism and Causation

Determinism

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Russell, “On the Notion of Cause, with Applications to the Free Will Problem,” from *Mysticism and Logic*. Reprinted in Feigl and Brodbeck (eds), *Reading in the Philosophy of Science*, 398-401.

B. *Determinism in classical and classical relativistic physics*

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C. *Determinism in QM*

Barrett, *The Quantum Mechanics of Minds and Worlds*, Ch. 5 (“Selecting a Branch” (Bohm’s interpretation of QM)).

D. *Determinism in biology.*

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Causation

A. *Overview*

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B. *Russell’s anti-realism about causation*

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C. *Humean and neo-Humean accounts*

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Hausman, *Causal Asymmetries*, Ch. 3 ("Causation, Regularities, and Time: Hume's Theory").

Mackie, "Causes and Conditions," reprinted in Sosa and Tooley (eds.), *Causation*, 33-55.

Hall, "Regularity Accounts," pre-print.

D. *Causation and counterfactuals: dependence and influence*

Lewis, "Causation," reprinted in Sosa and Tooley (eds.), *Causation*, 193-204.

Lewis, "Causation as Influence," *Journal of Philosophy* **97** (2000): 182-197.

Dowe, "Is Causation Influence?" pre-print

Menzies, "Counterfactual Theories of Causation," *Stanford Encyclopedia of Philosophy*.

Hall, "Two Concepts of Causation," pre-print.

E. *Causation and transference*

Salmon, "Causal Connections" and "Conjunctive and Interactive Forks," in *Scientific Explanation and the Causal Structure of the World*, pp. 135-183.

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H. *Causal logic*

Von Wright, "On the Logic and Epistemology of the Causal Relation," in Sosa and Tooley (eds.), *Causation*, 105-124.

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K. *The direction of causation*

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L. *Causal modeling and Bayesian networks*

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Scheines, "An Introduction to Causal Inference," in McKim and Turner (eds.), *Causality in Crisis?*, 185-199.

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Gillies, "Critical Notice: Pearl, *Causality : Models, Reasoning, and Inference*," *Brit. J. Phil. Sci.* **52** (2001): 613-622.

Websites

Branden Fitelson's site <http://philosophy.wisc.edu/fitelson/269/syllabus.htm> has an extensive bibliography and reprints of various articles on causation.

Ted Honderich's site "The Freedom and Determinism Philosophy Website" <http://www.ucl.ac.uk/~uctyho/dfwIntroIndex.htm> has relevant material on determinism.

The *Stanford Encyclopedia of Philosophy* <http://plato.stanford.edu/> has a number of good up-to-date survey articles on causation.

Books

Sosa and Tooley (eds.), *Causation*. Oxford University Press, 2000. Contains a collection of some of the classics.

Dowe, *Physical Causation*. Cambridge University Press, 2000. An exposition and defense of a version of the transference account of causation.

Hausman, *Causal Asymmetries*. Cambridge University Press, 1998. As the title indicates, it is concerned mainly with the asymmetry between cause and effect.

Psillos, *Causation and Explanation*. Acumen, 2002. Argues that explanatory relations are primary and that causal relations follow from explanatory relations.

Two different approaches to the causal modeling program are to be found in Pearl, *Causality: Models, Reasoning, and Inference* (Cambridge University Press, 2000) and Spirtes, Glymour, and Scheines, *Causation, Prediction, and Search* (Springer-Verlag, 1993).