

1. Record Nr.	UNINA9910780304103321
Autore	Cartwright Nancy
Titolo	Nature's capacities and their measurement [[electronic resource] /] / Nancy Cartwright
Pubbl/distr/stampa	Oxford, : Clarendon Press New York, : Oxford University Press, 1989
ISBN	0-19-159716-3 1-281-98101-X 9786611981013 0-19-151978-2
Descrizione fisica	1 online resource (279 p.)
Collana	Clarendon Paperbacks
Disciplina	530/.01
Soggetti	Causality (Physics) Probabilities Physics - Philosophy Quantum theory Econometrics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographic references and index.
Nota di contenuto	""Contents""; ""Introduction""; ""1. How to Get Causes from Probabilities""; ""1.1. Introduction""; ""1.2. Determining Causal Structure""; ""1.3. Inus Conditions""; ""1.4. Causes and Probabilities in Linear Models""; ""1.5. Conclusion""; ""Appendix: Back Paths and the Identification of Causes""; ""2. No Causes In, No Causes Out""; ""2.1. Introduction""; ""2.2. Causes at Work in Mathematical Physics""; ""2.3. New Knowledge Requires Old Knowledge""; ""2.4. How Causal Reasoning Succeeds""; ""2.5. Discovering Causal Structure: Can the Hypothetico-Deductive Method Work?""; ""2.6. Conclusion"" ""3. Singular Causes First"" ""3.1. Introduction""; ""3.2. Where Singular Causes Enter""; ""3.3. When Causes Are Probabilistic""; ""3.4. More in Favour of Singular Causes""; ""3.5. Singular Causes In, Singular Causes Out""; ""3.6. Conclusion""; ""4. Capacities""; ""4.1. Introduction""; ""4.2. Why Should Increases in Probability Recur?""; ""4.3. Forecasting and the Stability of Capacities""; ""4.4. Beyond Modality""; ""4.5. Mill in Defence

of Capacities"; "4.6. Conclusion"; "5. Abstract and Concrete"; "5.1. Introduction"; "5.2. Idealization and the Need for Capacities"; "5.3. Abstractions versus Symbolic Representations"; "5.4. What do Abstract Laws Say?"; "5.5. Concreteness and Causal Structure"; "5.6. Conclusion"; "6. What Econometrics Can Teach Quantum Physics: Causality and the Bell Inequality"; "6.1. Introduction"; "6.2. Bell's Inequality"; "6.3. A General Common-Cause Criterion for the EPR Experiment"; "6.4. Quantum Realism and the Factorizability Condition"; "6.5. A Common-Cause Model for EPR"; "6.6. Quantum Mechanics and its Causal Structure"; "6.7. Factorizability and the Propagation of Causes"; "6.8. Conclusion"; "Appendices"; "I. A More General Common-Cause Model for EPR"; "II. Do Quantum Causes Propagate?"; "III. Propagation, Effect-Locality, and Completeness: A Comparison"; "Index"; "A"; "B"; "C"; "D"; "E"; "F"; "G"; "H"; "I"; "J"; "K"; "L"; "M"; "N"; "O"; "P"; "Q"; "R"; "S"; "T"; "U"; "V"; "W"

---

Sommario/riassunto

This book on the philosophy of science argues for an empiricism, opposed to the tradition of David Hume, in which singular rather than general causal claims are primary.

---