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Titolo	Time Machine Tales : The Science Fiction Adventures and Philosophical Puzzles of Time Travel // by Paul J. Nahin
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Edizione	[1st ed. 2017.]
Descrizione fisica	1 online resource (XLIX, 383 p. 53 illus., 3 illus. in color.)
Collana	Science and Fiction, , 2197-1188
Disciplina	530.11
Soggetti	Physics Philosophy Philosophy and science Gravitation Popular Science in Physics Popular Science in Philosophy Philosophy of Science History and Philosophical Foundations of Physics Classical and Quantum Gravitation, Relativity Theory
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Some First Words -- Introduction -- A Broad Look At Time Travel -- Philosophical Space and Time -- The Physics of Time Travel —Part I.- Philosophers, Physicists, and the Time Travel Paradoxes -- Communication With the Past -- The Physics of Time Travel —Part II -- Epilogue -- Appendix 1 -- Appendix 2 -- Appendix 3 -- Glossary -- Index. .
Sommario/riassunto	This book contains a broad overview of time travel in science fiction, along with a detailed examination of the philosophical implications of time travel. The emphasis of this book is now on the philosophical and on science fiction, rather than on physics, as in the author's earlier books on the subject. In that spirit there are, for example, no Tech Notes filled with algebra, integrals, and differential equations, as there are in the first and second editions of TIME MACHINES. Writing about

time travel is, today, a respectable business. It hasn't always been so. After all, time travel, *prima facie*, appears to violate a fundamental law of nature; every effect has a cause, with the cause occurring before the effect. Time travel to the past, however, seems to allow, indeed to demand, backwards causation, with an effect (the time traveler emerging into the past as he exits from his time machine) occurring before its cause (the time traveler pushing the start button on his machine's control panel to start his trip backward through time). *Time Machine Tales* includes new discussions of the advances by physicists and philosophers that have appeared since the publication of *TIME MACHINES* in 1999, examples of which are the chapters on time travel paradoxes. Those chapters have been brought up-to-date with the latest philosophical thinking on the paradoxes. Paul Nahin is THE authority on the intricate physics of time travel, paradoxes and all. He makes the field as clear as it can be. — Gregory Benford, author of *Timescape*.
