Record Nr.	UNINA9910765485703321
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Titolo	Introduction to Modified Gravity [[electronic resource] /] / by Albert Petrov, Jose Roberto Nascimento, Paulo Porfirio
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2023
ISBN	3-031-46634-9
Edizione	[2nd ed. 2023.]
Descrizione fisica	1 online resource (106 pages)
Collana	SpringerBriefs in Physics, , 2191-5431
Altri autori (Persone)	NascimentoJose Roberto PorfirioPaulo
Disciplina	530.1
Soggetti	Gravitation Relativity (Physics) Gravitational Physics Classical and Quantum Gravity Alternative Relativity
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Chapter 1. Einstein gravity and the need for its modification Chapter 2. Modifications of the pure gravitational sector Chapter 3. Scalar- tensor gravities Chapter 4. Vector-tensor gravities Chapter 5. Horava-Lifshitz gravity Chapter 6. Nonlocal gravity Chapter 7. Summary.
Sommario/riassunto	This book reviews various modified gravity models, including those with modifications in the pure gravitational sector; those involving extra fields, that is, scalar-tensor and vector-tensor gravity theories; gravity models with Lorentz symmetry breaking; and nonlocal gravity models. The authors discuss both classical and quantum aspects of these theories. The book is unique in bringing together all the current alternatives to Einstein gravity in one source and serves as an excellent starting point for graduate students and other newcomers seeking an overview. This second edition has been expanded with new results from a variety of approaches including f(R,Q,P) gravity, galileon gravity and massive gravity. Extended discussions of Lorentz-breaking terms and of non-local field theory have been added and a completely new

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