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| Nota di contenuto | Intro -- Contents -- Introduction -- Part I: Epistemic Functions of Narration and Metaphor in Science -- Insight by Metaphor - The Epistemic Role of Metaphor in Science -- Epistemic Narrativity in Albert Einstein's Treatise on Special Relativity -- Albert Einstein's "Physics and Reality" and "The Electrodynamics of Moving Bodies" -- Physics and Fiction -- Part II: Concepts: Formation and Transfer -- Concept Formation in Physics from a Linguist's Perspective -- Everything in Context -- Induction after Electromagnetism -- The Paradoxical Interplay of Exactitude and Indefiniteness The Horizon of the Horizon -- Interference -- Part III: Aestheticization and Literarization of Physics -- Literary Epistemology -- The "Poetic Element" of Science -- Possible Worlds -- The Physics of Metaphysics -- Establishing Evidence through a Shift in Viewpoint -- Narrating Science - Physics for Non-physicists -- The Making of A Mystic Dream of 4 -- Attachment -- Author and Editor Directory -- Index |
| Sommario/riassunto | Physics and Literature is a unique collaboration between physicists, literary scholars, and philosophers, the first collection of essays to examine together how science and literature, beneath their practical differences, share core dimensions - forms of questioning, thinking, discovering and communicating insights. This book advances an in-depth exploration of relations between physics and literature from both perspectives. It turns around the tendency to discuss relations between literature and science in one-sided and polarizing ways. The collection |

is the result of the inaugural conference of ELINAS, the Erlangen Center for Literature and Natural Science, an initiative dedicated to building bridges between literary and scientific research. ELINAS revitalizes discussion of science-literature interconnections with new topics, ideas and angles, by organizing genuine dialogue among participants across disciplinary lines. The essays explore how scientific thought and practices are conditioned by narrative and genre, fiction, models and metaphors, and how science in turn feeds into the meaning-making of literary and philosophical texts. These interdisciplinary encounters enrich reflections on epistemology, cognition and aesthetics.
