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Nota di contenuto	Contents; Introduction; 1. A Taste of Clifford Algebra in Euclidean 3-Space; 2. A Sample of Clifford Algebra in Minkowski 4-Space; 3. Clifford Algebra for Flat n-Dimensional Spaces; 4. Curved Spaces Embedded in Higher Dimensional Flat Spaces; 5. The Use of Fock-Ivanenko 2-Vectors to obtain the Schwarzschild Metric; 6*. The Schwarzschild Metric via Fock-Ivanenko 2-Vectors; 7. Two Differential Operators; 8.* Dirac's Equation for the Electron; 9. The Kerr Metric by an Elementary Brute Force Method; 10.* Petrov's Canonical Forms for the Weyl Tensor and Another Approach to the Kerr Metric 11.* Matrix Representations and Classifications of Clifford AlgebrasAppendix.; Bibliography; Index
Sommario/riassunto	Clifford algebras have become a useful tool for physicists at the cutting edge of theoretical investigations. This book is aimed at beginning graduate physics and math students learning mathematical physics, relativity, quantum physics, or applied mathematics; and mathematical physicists.