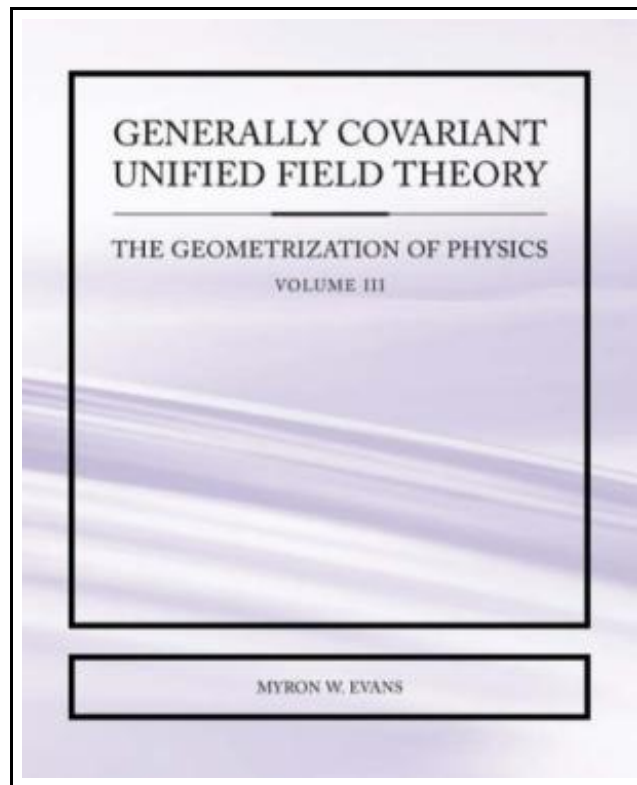


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Arima Publishing, United Kingdom, 2006. Paperback. Book Condition: New. 229 x 190 mm. Language: English Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.This book is the first to describe a very successful objective unified field theory which emerged in 2003 and which is already mainstream physics -Einstein Cartan Evans (ECE)field theory.The latter completes the well known work of Einstein and Cartan, who from 1925 to 1955 sought to unify field theory in physics with the principles of general relativity.These principles are based on the need for objectivity in natural philosophy, were first suggested by Francis Bacon in the sixteenth century and developed into general relativity in about 1915.In this year, using Riemann geometry, Einstein and Hilbert independently arrived at an objective field equation for gravitation.Since then there have been many attempts to unify the 1915 gravitational theory with the other three fundamental fields: electromagnetism, the weak and strong fields. As described for the first time in this book, unification is achieved straightforwardly with the principles of standard Cartan geometry and the Evans Ansatz.The latter shows that electromagnetism is spinning spacetime, gravitation is curving spacetime and that they are unified with the structure (or master)equations of Cartan.Quantum mechanics is unified with general relativity using the Evans Lemma and wave equation.Technical appendices and charts are provided which show how all the major equations of physics are obtained from the ECE field theory and two introductory chapters describe the background mathematics from an elementary level. In this third volume, ECE theory is extended to the Sagnac effect and Faraday disc generator to show that electrodynamics is spinning space-time in general relativity.These two effects are difficult to explain with special relativity.A simplified dielectric ECE theory is developed and applied for example to cosmology.One chapter is dedicated to a convenient summary of all the details...

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