# Mathematics of Relativity Lecture Notes (Classic Reprint) (Paperback)

By George Yuri Rainich

Forgotten Books, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.Excerpt from Mathematics of Relativity Lecture Notes Old Physics; Motion of a Particle. The Inverse Square Law; Two Pictures of Matter; Vectors, Tensors, Operations; Maxwell s Equations; The Stress-Energy Tensor; General Equations of Motion. The Complete Tensor; New Geometry; Analytic Geometry of Four Dimensions; Axioms of Four-Dimensional Geometry; Tensor Analysis; Complications Resulting From Imaginary Coordinate; Are the Equations of Physics Invariant; Curves in the New Geometry; Special Relativity; Equations of Motion; Lorentz Transformations; Addition of Velocities; Light Corpuscles, or Photons; Electricity and Magnetism in Special Relativity; Curved Space; Curvature of Curves and Surfaces; Generalizations; The Riemann Tensor; Vectors in General Coordinates; Tensors in General Coordinates; Covariant and Contravariant Components; Physical Coordinates as General Coordinates; Curvilinear Coordinates in Curved Space; New Derivation of the Riemann Tensor; Differential Relations for the Riemann Tensor; Geodesics; General Relativity; The Law of Geodesics; Solar System, Symmetry Conditions; Solution of the Field Equations; Equations of Geodesics; Newtonian Motion of a Planet; Relativity Motion of a Planet; Deflection of Light; Shift of Spectral Lines About the Publisher Forgotten Books publishes hundreds of thousands of...

## Reviews

*Extensive guide for publication fans. It can be rally exciting throgh studying time. It is extremely difficult to leave it before concluding, once you begin to read the book.*
*-- Maurine Rohan*

*It in a single of my personal favorite book. I really could comprehended almost everything using this composed e book. Your daily life period will be enhance the instant you complete reading this article pdf.*
*-- Haskell Osinski*