



## The Principle of Relativity: With Applications to Physical Science (Classic Reprint)

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By Alfred North Whitehead

Forgotten Books, United States, 2015. Paperback. Book Condition: New. 220 x 150 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.Excerpt from The Principle of Relativity: With Applications to Physical Science The present work is an exposition of an alternative rendering of the theory of relativity. It takes its rise from that awakening from dogmatic slumber - to use Kant's phrase - which we owe to Einstein and Minkowski. But it is not an attempt to expound either Einstein's earlier or his later theory. The metrical formulae finally arrived at are those of the earlier theory, but the meanings ascribed to the algebraic symbols are entirely different. As the result of a consideration of the character of our knowledge in general, and of our knowledge of nature in particular, undertaken in Part I of this book and in my two previous works on this subject, I deduce that our experience requires and exhibits a basis of uniformity, and that in the case of nature this basis exhibits itself as the uniformity of spatio-temporal relations. This conclusion entirely cuts away the casual heterogeneity of these relations which is the essential of Einstein's later theory. It...



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