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## Mathematical Physics

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By R H Atkin

Arima Publishing, United Kingdom, 2010. Paperback. Book Condition: New. 235 x 191 mm. Language: English Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.To write this book the author has delved deeply into the histories of both Mathematics and Physics, and the result has been an original analysis of one of mankind's most successful intellectual achievements. The initial impulse for the development of Mathematical Physics began with classical Greek/Euclidean geometry and thence through the ideas of Algebra, founded by Arabian mathematicians, until it has flowered, initially in Western Europe, but now worldwide. In the twentieth century a new level of mathematical thought has arisen by the development of the ideas of Topology, both Point-set Topology and more importantly in that of Algebraic Topology. Although one aspect of Mathematics, viz., Projective Geometry, was hardly noticed in the subject yet it has become clear that a great simplification of the derivation of natural laws can be found in that discipline. By natural laws it is generally understood to be the appearance of geometrical (and thereby algebraic) invariants which are found among the various physical measurements. And this means that we need to examine both the requirements of such measurements as well as...



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