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Grassmans Space Analysis Mathematical Monographs Volume 6

By Edward W. Hyde

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Paperback. 60 pages. Dimensions: 9.0in. x 6.0in. x

0.1in. **AUTHORS PREFACE.** THIS little book is an attempt to

present simply and concisely the elementary principles of the

Extensive Analysis as fully developed in the comprehensive

treatises of Hermann Grassmann, restricting the treatment

however to the geometry of two and three dimensional space.

It is designed to set forth, as far as is possible in so brief a work,

the remarkable adaptability and effectiveness of the methods

used as applied to the various problems and operations of

geometry and mechanics. The ideas of direction and position

appear to the writer to be as simple and fundamental as that

of magnitude, and an algebra which deals directly with all

three of these ideas should not be greatly more difficult than

the ordinary one, which deals with magnitude only. The result

of using such an algebra is an extraordinary gain in the brevity

of operations and the expressiveness of formulas and

equations. Some of the terms belonging to this general subject

are frequently employed in modern text-books on mechanics

and physics, even when no use is made of the algebraic...



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Reviews

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