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## The Collected Mathematical Papers of James Joseph Sylvester

By James Joseph Sylvester

American Mathematical Society. Hardback. Book Condition: new. BRAND NEW, The Collected Mathematical Papers of James Joseph Sylvester, James Joseph Sylvester, From the Preface: The longest paper in volume I is 'On the Theory of the Syzygetic Relations of Two Rational Integral Functions, comprising an application to the Theory of Sturm's Functions', and to this many of the shorter papers in the volume are contributory. the volume contains also Sylvester's dialytic method of elimination, his Essay on Canonical Forms, and early investigations in the theory of Invariants. It also contains celebrated theorems as to Determinants and investigations as to the Transformation of Quadratic Forms and the recognition of the Invariant factors of a matrix. Among the Papers contained in Volume 2 are the author's Lecture on Geometry, delivered before the Gresham Committee, the author's seven lectures on the Partition of Numbers, in outline, the long memoir on Newton's Rule, the Presidential Address to the Mathematical and Physical section of the British Association at Exeter, and a set of papers 'Nugae Mathematicae.' Volume 3 deals very largely with the author's enumerative method of obtaining the complete system of concomitants of a system of quantics, with the help of generating functions; the brief but very luminous...



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