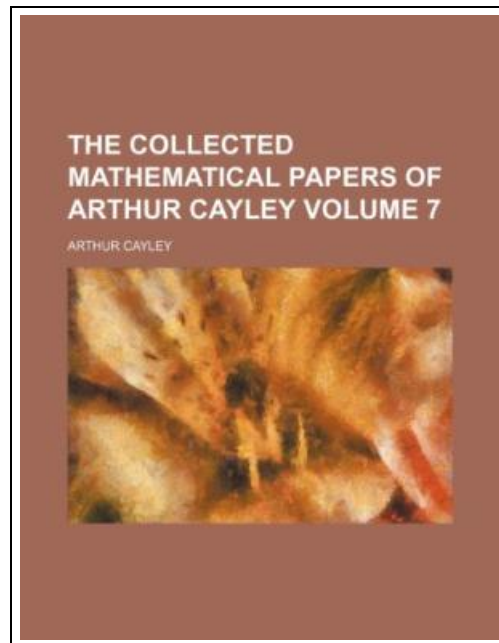


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Rarebooksclub.com, United States, 2012. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****.This historic book may have numerous typos and missing text. Purchasers can download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. 1894 edition. Excerpt: .equation (3). I believe the better course is to assume (1) and (3) as the fundamental equations, from them deducing (2); and we thus also get over a difficulty presently referred to, but which did not occur to me when the memoir was written. In fact, starting with the equations $x/y = X/Y$; Z (which are to give $x: y: z = X: Y: Z$), we have in the first instance the equation (1). Moreover, establishing for x, y, z a linear equation $ax + by + cz = 0$, we have corresponding hereto a curve $aX + bY + cZ = 0$, and the coordinates x, y, z of a point on this curve are proportional to $X: Y: Z$; that is, substituting for z the value $-(ax + by)/c$, they c are proportional to rational and integral (homogeneous) functions of (x, y) , that is, to rational and integral functions of the single parameter x/y ; wherefore the curve $aX + bY + cZ = 0$ is unicursal; whence the equation (3). The like change may be made in the theory of the rational transformation between two spaces; and it is in this case a more important one. The difficulty is as follows: It is not self-evident that we are at liberty to assume $a, + 3a^2 + 6a, . (n? + S_n)-2$; for imagine that we had a system of $(a, a^2, a, .)$ points, such that $a, + 4a, ...$



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