



## The Collected Mathematical Papers of Arthur Cayley Volume 10

By Arthur Cayley

Theclassics.us, United States, 2013. 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 usually download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. 1896 edition. Excerpt: there are thus  $5 \times 4 = 20$ , tetrahedra having  $20 \times 4$  summits which are the 20 points B each 4 times;  $20 \times 4$  centres of faces which are the 50 points B each 4 times; and  $20 \times 6$  mid-points of sides which are the 30 points 6 each 4 times. It thus appears that, as mentioned above, the five regular figures depend only on the points A, B, O, and 3. We might take as poles two opposite points A, B, O, or S; and in each case determine in reference to these the positions of the other points; but for brevity I consider only the case in which we take as poles two opposite points A. We have the following table: Poles two opposite points A. I add for greater completeness the following results, some of which were used in the...



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