



Geometrical Researches on the Theory of Parallels

By Nicholas Lobachevski

Createspace, United States, 2014. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.From the TRANSLATOR S PREFACE. LOBACHEVSKI was the first man ever to publish a non-Euclidean geometry. Of the immortal essay now first appearing in English Gauss said, The author has treated the matter with a master-hand and in the true geometer s spirit. I think I ought to call your attention to this book, whose perusal cannot fail to give you the most vivid pleasure. Clifford says, It is quite simple, merely Euclid without the vicious assumption, but the way things come out of one another is quite lovely. * * * What Vesalius was to Galen, what Copernicus was to Ptolemy, that was Lobachevski to Euclid. Says Sylvester, In Quaternions the example has been given of Algebra released from the yoke of the commutative principle of multiplication - an emancipation somewhat akin to Lobachevski s of Geometry from Euclid s noted empirical axiom. Cayley says, It is well known that Euclid s twelfth axiom, even in Playfair s form of it, has been considered as needing demonstration; and that Lobachevski constructed a perfectly consistent theory, where...

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