



Elementary Mathematics from a Higher Standpoint

By Felix Klein

Springer-Verlag GmbH Jul 2016, 2016. Taschenbuch. Book Condition: Neu. 235x168x mm. Neuware - These three volumes constitute the first complete English translation of Felix Klein's seminal series 'Elementarmathematik vom höheren Standpunkte aus'. 'Complete' has a twofold meaning here: First, there now exists a translation of volume III into English, while until today the only translation had been into Chinese. Second, the English versions of volume I and II had omitted several, even extended parts of the original, while we now present a complete revised translation into modern English. The volumes, first published between 1902 and 1908, are lecture notes of courses that Klein offered to future mathematics teachers, realizing a new form of teacher training that remained valid and effective until today: Klein leads the students to gain a more comprehensive and methodological point of view on school mathematics. The volumes enable us to understand Klein's far-reaching conception of elementarisation, of the 'elementary from a higher standpoint', in its implementation for school mathematics. In Volume III, Klein explores the relationship between precision and approximation mathematics. He crosses the various fields of mathematics - from functions in one and two variables to practical geometry to space curves and surfaces -...



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