



Social History of Nineteenth Century Mathematics

Herbert Mehrtens,
Henk Bos,
Ivo Schneider, editors



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A Social History Of The Nineteenth Century Mathematics

Kiheung Kim



A Social History Of The Nineteenth Century Mathematics:

A Social History of the Nineteenth Century Mathematics 3Island Press,1981-01-01 Social History of Nineteenth Century Mathematics Mehrtens,Hendrik (Short form: Henk) Hendriks,Ivo Schneider,2012-12-06 During the last few decades historians of science have shown a growing interest in science as a cultural activity and have regarded science more and more as part of the general developments that have occurred in society This trend has been less evident among historians of mathematics who traditionally concentrate primarily on tracing the development of mathematical knowledge itself To some degree this restriction is connected with the special role of mathematics compared with the other sciences mathematics typifies the most objective most coercive type of knowledge and therefore seems to be least affected by social influences Nevertheless biography institutional history and history of national developments have long been elements in the historiography of mathematics This interest in the social aspects of mathematics has widened recently through the study of other themes such as the relation of mathematics to the development of the educational system Some scholars have begun to apply the methods of historical sociology of knowledge to mathematics others have attempted to give a Marxist analysis of the connection between mathematics and productive forces and there have been philosophical studies about the communication processes involved in the production of mathematical knowledge An interest in causal analyses of historical processes has led to the study of other factors influencing the development of mathematics such as the formation of mathematical schools the changes in the professional situation of the mathematician and the general cultural milieu of the mathematical scientist **The Oxford Handbook of the History of Mathematics** Eleanor Robson,Jacqueline Stedall,2009 This handbook explores the history of mathematics addressing what mathematics has been and what it has meant to practise it 36 self contained chapters provide a fascinating overview of 5000 years of mathematics and its key cultures for academics in mathematics historians of science and general historians **Social History of Nineteenth Century Mathematics** Herbert Mehrtens,Henk J. M. Bos,Ivo Schneider,1981 **Social History of Nineteenth-century Mathematics** , R.G. Collingwood An Introduction Peter Johnson,1998-01-01 Why should modern philosophers read the works of R G Collingwood His ideas are often thought difficult to locate in the main lines of development taken by twentieth century philosophy Some have read Collingwood as anticipating the later Wittgenstein others have concentrated exclusively on the internal coherence of his thought This work aims to introduce Collingwood to contemporary students of philosophy through direct engagement with his arguments It is a conversation with Collingwood that takes as its subject matter the topics that interested him philosophy and method philosophy of mind language and logic the historical imagination art and expression action metaphysics and life and which still preoccupy us today the first introductory book on this major modern philosopher includes critical investigation of his thought there is no similar work available *Scientific Knowledge* Barry Barnes,David Bloor,John Henry,1996-01-01 A systematic account of the importance of sociology for the understanding of scientific

knowledge Applying sociological analysis to specific historical case studies the work attempts to show how the sociological approach is an essential complement to interpretations of scientific knowledge from other disciplines and a necessary contribution to obtaining a scientific understanding of science This book should be of interest to students in the social sciences and the history and philosophy of science and to academics interested in knowledge epistemology the history of ideas and the new sociology of science The Social Construction of Disease Kiheung Kim,2006-11-22 A historical exploration of scientific disputes on the causation of so called prion diseases this fascinating book covers diseases including Scrapie Creutzfeldt Jakob Disease CJD and Bovine Spongiform Encephalopathy BSE Firstly tracing the twentieth century history of disease research and biomedicine the text then focuses on the relations between scientific practice and wider social transformations before finally building upon the sociologically informed methodological framework Incisive and thought provoking The Social Construction of Disease provides a valuable contribution to that well established tradition of social history of science which refers primarily to the theoretical works of the sociology of scientific knowledge

Civilization and the Culture of Science Stephen Gaukroger,2020-02-19 How did science come to have such a central place in Western culture How did cognitive values and subsequently moral political and social ones come to be modelled around scientific values In Civilization and the Culture of Science Stephen Gaukroger explores how these values were shaped and how they began in turn to shape those of society The core nineteenth and twentieth century development is that in which science comes to take centre stage in determining ideas of civilization displacing Christianity in this role Christianity had provided a unifying thread in the study of the world however and science had to match this which it did through the project of the unity of the sciences The standing of science came to rest or fall on this question which the book sets out to show in detail is essentially ideological not something that arose from developments within the sciences which remained pluralistic and modular A crucial ingredient in this process was a fundamental rethinking of the relations between science and ethics economics philosophy and engineering In his engaging description of this transition to a scientific modernity Gaukroger examines five of the issues which underpinned this shift in detail changes in the understanding of civilization the push to unify the sciences the rise of the idea of the limits of scientific understanding the concepts of applied and popular science and the way in which the public was shaped in a scientific image **Cognition and Fact** Robert S. Cohen,Thomas

Schnelle,2012-12-06 Within the last ten years the interest of historians and philosophers of science in the epistemological writings of the Polish medical microbiologist Ludwik Fleck 1896 1961 who had up to then been almost completely unknown has advanced with great strides His main writings on epistemological questions were published in the mid 1930 s but they remained almost unnoticed Today however one may rightly call Fleck a classical figure both of epistemology and of the historical sociology of science one whose works are comparable with Popper's Logic of Scientific Discovery or Merton's pioneering study of the relations among economics Puritanism and natural science both also originally published in the mid

1930 s The story of this book of materials on Ludwik Fleck is also the story of the reception of Ludwik Fleck In this volume some essential materials which have been produced by that reception have been gathered together We will sketch both the reception and the materials

Decoding **A Social History Of The Nineteenth Century Mathematics**: Revealing the Captivating Potential of Verbal Expression

In an era characterized by interconnectedness and an insatiable thirst for knowledge, the captivating potential of verbal expression has emerged as a formidable force. Its power to evoke sentiments, stimulate introspection, and incite profound transformations is genuinely awe-inspiring. Within the pages of "**A Social History Of The Nineteenth Century Mathematics**," a mesmerizing literary creation penned by way of a celebrated wordsmith, readers attempt an enlightening odyssey, unraveling the intricate significance of language and its enduring impact on our lives. In this appraisal, we shall explore the book's central themes, evaluate its distinctive writing style, and gauge its pervasive influence on the hearts and minds of its readership.

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