

THE
MATHEMATICAL
PAPERS OF
ISAAC NEWTON

VOLUME V
1683–1684

EDITED BY
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PUBLICATION OF
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Mathematical Papers Of Isaac Newton

Isaac Newton



Mathematical Papers Of Isaac Newton:

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The Mathematical Papers of Isaac Newton: Isaac Newton, 1972-07-13 The fifth volume of this definitive edition centres around Newton's Lucasian lectures on algebra purportedly delivered during 1673-83 and subsequently prepared for publication under the title

Arithmetica Universalis many years later Dr Whiteside first reproduces the text of the lectures deposited by Newton in the Cambridge University Library about 1684 In these much reworked not quite finished professional lectiones Newton builds upon his earlier studies of the fundamentals of algebra and its application to the theory and construction of equations developing new techniques for the factorizing of algebraic quantities and the delimitation of bounds to the number and location of roots with a wealth of worked arithmetical geometrical mechanical and astronomical problems An historical introduction traces what is known of the background to the parent manuscript and assesses the subsequent impact of the edition prepared by Whiston about 1705 and the revised version published by Newton himself in 1722 A number of minor worksheets preliminary drafts and later augmentations buttress this primary text throwing light upon its development and the essential untrustworthiness of its imposed marginal chronology

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