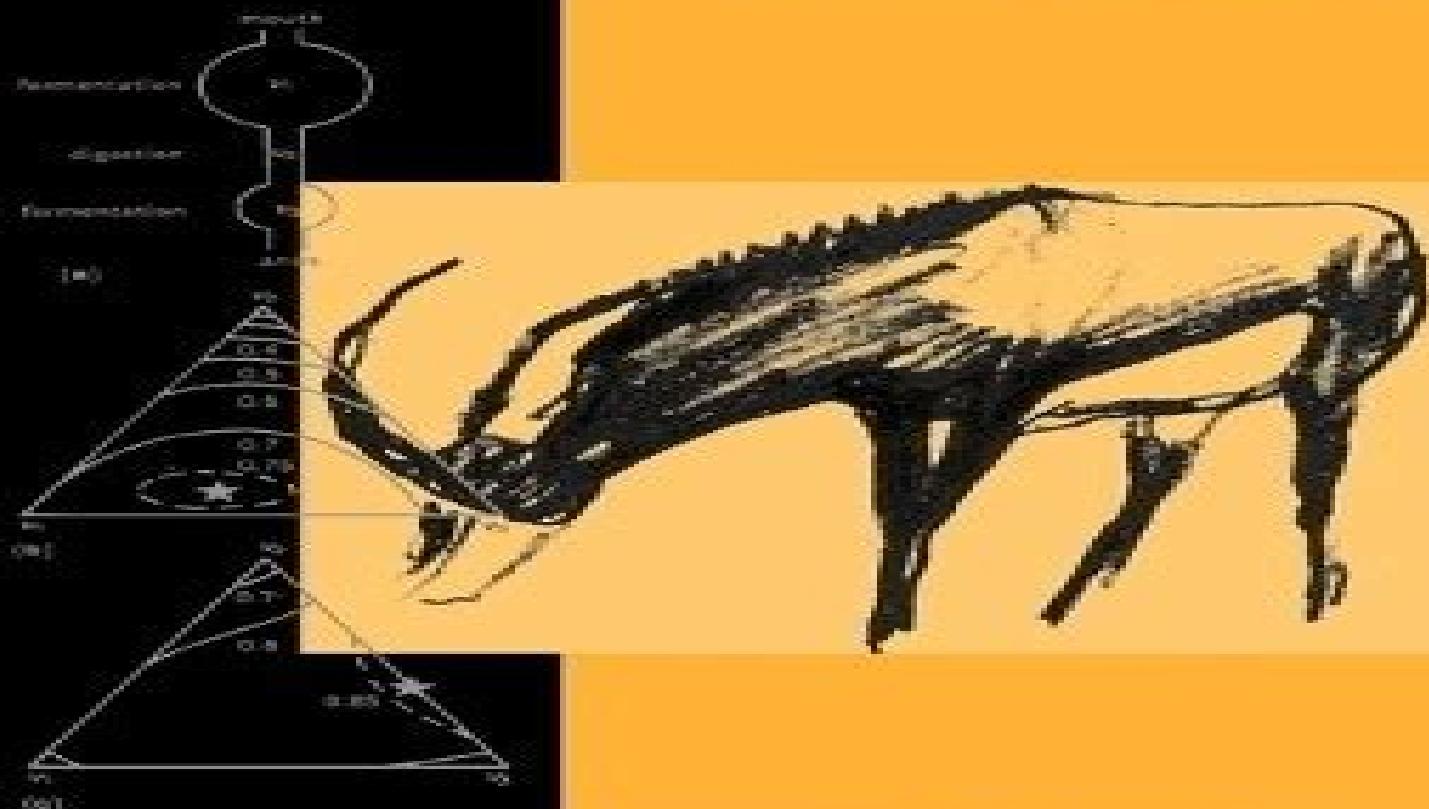


Optima for Animals



REVISED EDITION

R. McNeill Alexander

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C.W. Cryer

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Meeting, 1996 **A Math Primer for Engineers** C.W. Cryer, 2014-03-04 Mathematics and engineering are inevitably interrelated and this interaction will steadily increase as the use of mathematical modelling grows Although mathematicians and engineers often misunderstand one another their basic approach is quite similar as is the historical development of their respective disciplines The purpose of this Math Primer is to provide a brief introduction to those parts of mathematics which are or could be useful in engineering especially bioengineering The aim is to summarize the ideas covered in each subject area without going into exhaustive detail Formulas and equations have not been avoided but every effort has been made to keep them simple in the hope of persuading readers that they are not only useful but also accessible The wide range of topics covered includes introductory material such as numbers and sequences geometry in two and three dimensions linear algebra and the calculus Building on these foundations linear spaces tensor analysis and Fourier analysis are introduced All these concepts are used to solve problems for ordinary and partial differential equations Illustrative applications are taken from a variety of engineering disciplines and the choice of a suitable model is considered from the point of view of both the mathematician and the engineer This book will be of interest to engineers and bioengineers looking for the mathematical

means to help further their work and it will offer readers a glimpse of many ideas which may spark their interest The Nobility and Excellence of Women and the Defects and Vices of Men Lucrezia Marinella,2007-11-01 A gifted poet a women s rights activist and an expert on moral and natural philosophy Lucrezia Marinella 1571 1653 was known throughout Italy as the leading female intellectual of her age Born into a family of Venetian physicians she was encouraged to study and fortunately she did not share the fate of many of her female contemporaries who were forced to join convents or were pressured to marry early Marinella enjoyed a long literary career writing mainly religious epic and pastoral poetry and biographies of famous women in both verse and prose Marinella s masterpiece The Nobility and Excellence of Women and the Defects and Vices of Men was first published in 1600 composed at a furious pace in answer to Giusepe Passi s diatribe about women s alleged defects This polemic displays Marinella s vast knowledge of the Italian poetic tradition and demonstrates her ability to argue against authors of the misogynist tradition from Boccaccio to Torquato Tasso Trying to effect real social change Marinella argued that morally intellectually and in many other ways women are superior to men

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