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## Metric Spaces

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By E. T. Copson

CAMBRIDGE UNIVERSITY PRESS, United Kingdom, 2008.  
Paperback. Book Condition: New. Reprint. 212 x 138 mm.  
Language: English Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.  
Metric space topology, as the generalization to abstract spaces of the theory of sets of points on a line or in a plane, unifies many branches of classical analysis and is necessary introduction to functional analysis. Professor Copson's book, which is based on lectures given to third-year undergraduates at the University of St Andrews, provides a more leisurely treatment of metric spaces than is found in books on functional analysis, which are usually written at graduate student level. His presentation is aimed at the applications of the theory to classical algebra and analysis; in particular, the chapter on contraction mappings shows how it provides proof of many of the existence theorems in classical analysis.



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