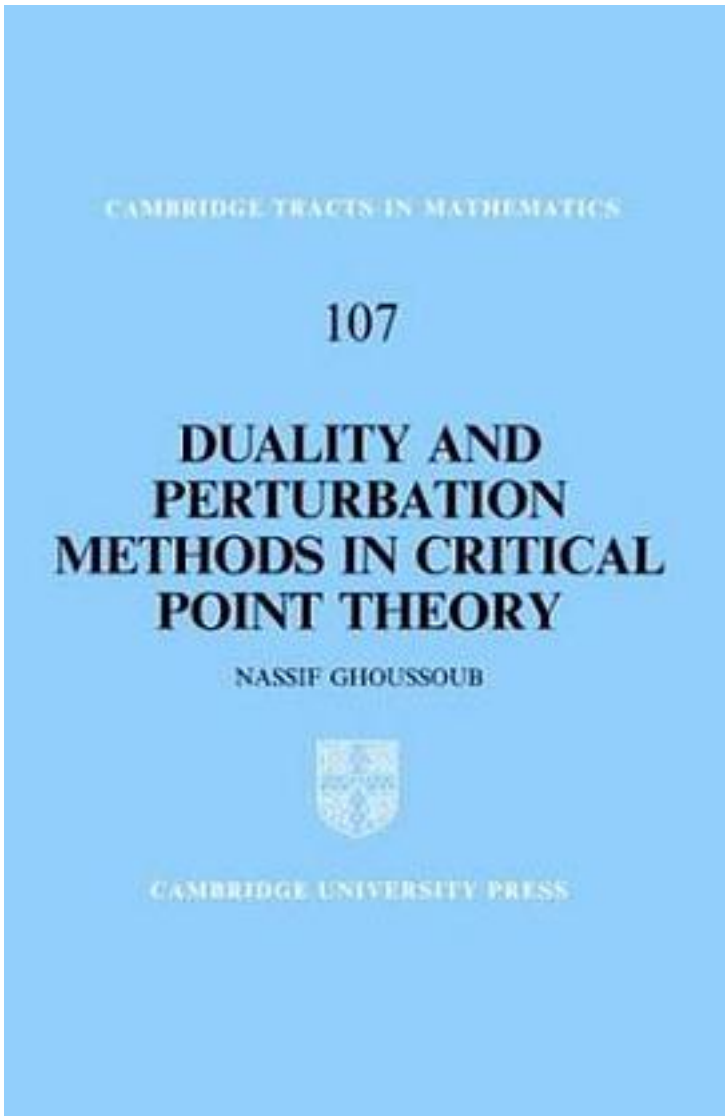
Duality and Perturbation Methods in Critical Point Theory (Cambridge Tracts in Mathematics)



著者:N. Ghoussoub

出版者:Cambridge University Press

出版时间:2008-08-14

装帧:Paperback

isbn:9780521071956

The calculus of variations has been an active area of mathematics for over 300 years. Its main use is to find stable critical points of functions for the solution of problems. To find unstable values, new approaches (Morse theory and min-max methods) were developed, and these are still being refined to overcome difficulties when applied to the theory of partial differential equations. Here, Professor Ghoussoub describes a point of view that may help when dealing with such problems. Building upon min-max methods, he systematically develops a general theory that can be applied in a variety of situations. In so doing he also presents a whole array of duality and perturbation methods. The prerequisites for following this book are relatively few; an appendix sketching certain methods in analysis makes the book reasonably self-contained. Consequently, it should be accessible to all mathematicians, pure or applied, economists and engineers working in nonlinear analysis or optimization.

作者介绍:

目录:

标签

评论

Duality and Perturbation Methods in Critical Point Theory (Cambridge Tracts in Mathematics)_下载链接1_

书评

Duality and Perturbation Methods in Critical Point Theory (Cambridge Tracts in Mathematics)_下载链接1_