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Titolo	A Cp-Theory Problem Book : Special Features of Function Spaces // by Vladimir V. Tkachuk
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ISBN	3-319-04747-7
Edizione	[1st ed. 2014.]
Descrizione fisica	1 online resource (595 p.)
Collana	Problem Books in Mathematics, , 0941-3502
Disciplina	515.73
Soggetti	Topology Logic, Symbolic and mathematical Functional analysis Mathematical Logic and Foundations Functional Analysis
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di contenuto	Detailed Summary of Exercise Sections -- Preface -- Introduction -- 1. Duality Theorems and Properties of Function Spaces -- 2. Solutions of Problems 001-500 -- 3. Bonus Results: Some Hidden statements -- 4. Open Problems -- Bibliography -- List of Special Symbols -- Index.
Sommario/riassunto	The books in Vladimir Tkachuk's A Cp-Theory Problem Book series will be the 'go to' texts for basic reference to Cp-theory. This second volume, Special Features of Function Spaces, gives a reasonably complete coverage of Cp-theory, systematically introducing each of the major topics and providing 500 carefully selected problems and exercises with complete solutions. Bonus results and open problems are also given. The text is designed to bring a dedicated reader from basic topological principles to the frontiers of modern research covering a wide variety of topics in Cp-theory and general topology at the professional level. The first volume, Topological and Function Spaces © 2011, provided an introduction from scratch to Cp-theory and general topology, preparing the reader for a professional understanding of Cp-theory in the last section of its main text. This second volume continues from the first, and can be used as a textbook

for courses in both Cp-theory and general topology as well as a reference guide for specialists working in Cp-theory and related topics. Additionally, the material can also be considered as an introduction to advanced set theory and descriptive set theory, presenting diverse topics of the theory of function spaces with the topology of pointwise convergence, or Cp-theory which exists at the intersection of topological algebra, functional analysis and general topology. From the Reviews of Topological and Function Spaces: "...It is designed to bring a dedicated reader from the basic topological principles to the frontiers of modern research. Any reasonable course in calculus covers everything needed to understand this book. This volume can also be used as a reference for mathematicians working in or outside the field of topology (functional analysis) wanting to use results or methods of Cp-theory...On the whole, the book provides a useful addition to the literature on Cp-theory, especially at the instructional level." (Mathematical Reviews).
