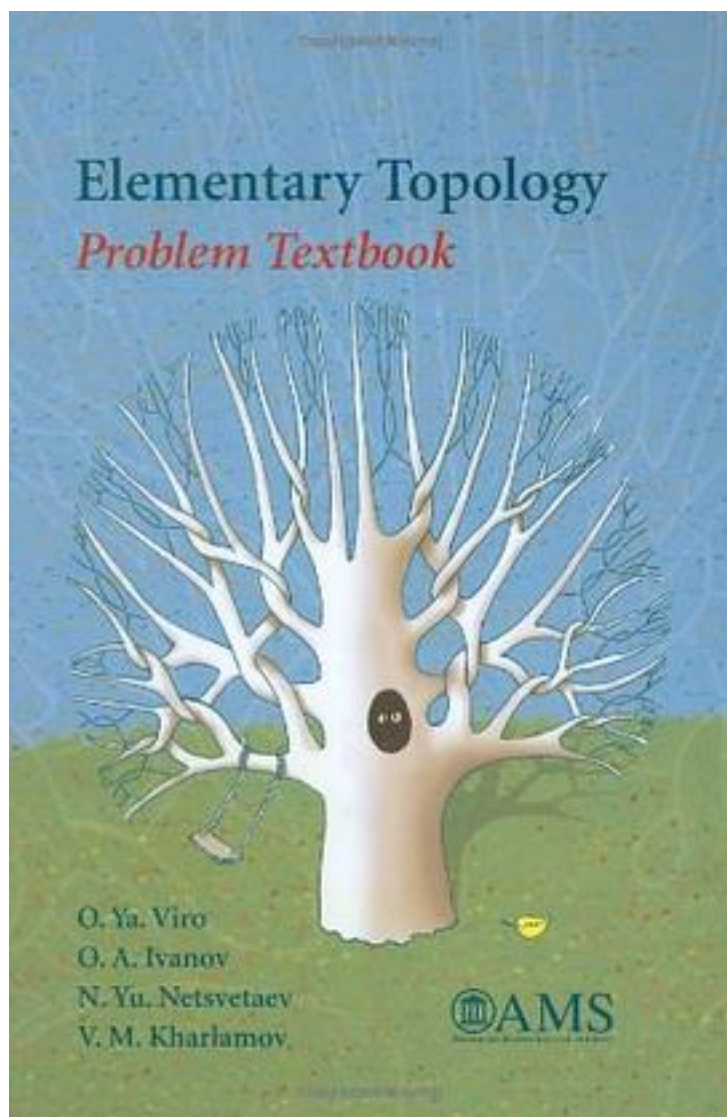# Elementary Topology

Elementary Topology_下载链接1_

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This textbook on elementary topology contains a detailed introduction to general topology and an introduction to algebraic topology via its most classical and elementary segment centered at the notions of fundamental group and covering space. The book is tailored for the reader who is determined to work actively. The proofs of theorems are separated from their formulations and are gathered at the end of each chapter. This makes the book look like a pure problem book and encourages the reader to think through each formulation. A reader who prefers a more traditional style can either find the proofs at the end of the chapter or skip them altogether. This style also caters to the expert who needs a handbook and prefers formulations not overshadowed by proofs. Most of the proofs are simple and easy to discover. The book can be useful and enjoyable for readers with quite different backgrounds and interests. The text is structured in such a way that it is easy to determine what to expect from each piece and how to use it. There is core material, which makes up a relatively small part of the book. The core material is interspersed with examples, illustrative and training problems, and relevant discussions. The reader who has mastered the core material acquires a strong background in elementary topology and will feel at home in the environment of abstract mathematics. With almost no prerequisites (except real numbers), the book can serve as a text for a course on general and beginning algebraic topology.

作者介绍:

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标签

数学

topology

MathTopology

Math

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Rokhlin

评论

A textbook translated from Russian, no proofs but hints, had to actively prove every lemma by oneself, painful but helpful. Intuition of concepts: topology is a power set of subsets; cover is a union of subsets; compactness is being finite in the context of set theory. 3t required.

"problem textbook"，全是定理和题啊，连证明都不给，读的苦死了。。

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书评

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