



Limits, Series, and Fractional Part Integrals: Problems in Mathematical Analysis (Paperback)

By Ovidiu Furdui

Springer-Verlag New York Inc., United States, 2015. Paperback. Condition: New. 714th 2013 ed.. Language: English . Brand New Book ***** Print on Demand *****.This book features challenging problems of classical analysis that invite the reader to explore a host of strategies and tools used for solving problems of modern topics in real analysis. This volume offers an unusual collection of problems - many of them original - specializing in three topics of mathematical analysis: limits, series, and fractional part integrals. The work is divided into three parts, each containing a chapter dealing with a particular problem type as well as a very short section of hints to select problems. The first chapter collects problems on limits of special sequences and Riemann integrals; the second chapter focuses on the calculation of fractional part integrals with a special section called `Quickies which contains problems that have had unexpected succinct solutions. The final chapter offers the reader an assortment of problems with a flavor towards the computational aspects of infinite series and special products, many of which are new to the literature. Each chapter contains a section of difficult problems which are motivated by other problems in the book. These `Open Problems may...

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