1. Record Nr.   UNISA996418200003316

   Autore   Gouvêa Fernando Q

   Titolo   p-adic Numbers [[electronic resource]] : An Introduction / / by
                        Fernando Q. Gouvêa

   Pubbl/distr/stampa   Cham : , : Springer International Publishing : , : Imprint : Springer, ,
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   ISBN   3-030-47295-7

   Edizione   [3rd ed. 2020.]

   Descrizione fisica   1 online resource (xiii, 366 pages) : illustrations

   Collana   Universitext

   Disciplina   512.74

   Soggetti   Number theory
                        Algebra
                        Field theory (Physics)
                        Mathematical analysis
                        Analysis (Mathematics)
                        Number Theory
                        Field Theory and Polynomials
                        Analysis

   Lingua di pubblicazione   Inglese

   Formato   Materiale a stampa

   Livello bibliografico   Monografia

   Nota di contenuto   1 Apéritif -- 2 Foundations -- 3 The p-adic Numbers -- 4 Exploring
                        p -- 5 Elementary Analysis in p -- 6 Vector Spaces and Field
                        Extensions -- 7 Analysis in p -- 8 Fun With Your New Head -- A Sage
                        and GP: A (Very) Quick Introduction -- B Hints and Comments on the
                        Problems -- C A Brief Glance at the Literature -- Bibliography -- Index.

   Sommario/riassunto   There are numbers of all kinds: rational, real, complex, p-adic, and
                        more. The p-adic numbers are not as well known as the others, but
                        they play a fundamental role in number theory and in other parts of
                        mathematics, capturing information related to a chosen prime number
                        p. They also allow us to use methods from calculus and analysis to
                        obtain results in algebra and number theory. This book is an
                        elementary introduction to p-adic numbers. Most other books on the
                        subject are written for more advanced students; this book provides an
                        entryway to the subject for students with an undergraduate
                        mathematics education. Readers who want to have an idea of and

appreciation for the subject will probably find what they need in this book. Readers on the way to becoming experts can begin here before moving on to more advanced texts. This third edition has been thoroughly revised to correct mistakes, make the exposition clearer, and call attention to significant aspects that are usually reserved for advanced books. The most important addition is the integration of mathematical software for computations with p-adic numbers and functions. A final chapter includes a selection of problems for further exploration. From the reviews of the first and second editions: "Perhaps the most suitable text for beginners" - The Mathematical Gazette "This text perfectly fulfills what it proposes" - Mathematical Reviews "An extraordinarily nice manner to introduce the uninitiated to the subject" - Mededelingen van het wiskundig genootschap "If I had to recommend one book on the subject to a student – or even to a fully grown mathematician ...– it would still be this book" - MAA Reviews.

2.	Record Nr.	UNIORUON00238291
	Titolo	Balkanika Symmeikta
	Pubbl/distr/stampa	1 (1981)- (2004)
	ISSN	1105-0136
	Descrizione fisica	Thessaloniki : Institute for Balkan Studies, 1981-.
	Disciplina	908
	Lingua di pubblicazione	Greco Moderno
	Formato	Materiale a stampa
	Livello bibliografico	Periodico