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   Autore               Planat Michel

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   Descrizione fisica   1 electronic resource (206 p.)

   Soggetti             Research & information: general
                        Mathematics & science

   Lingua di pubblicazione   Inglese

   Formato              Materiale a stampa

   Livello bibliografico    Monografia

   Sommario/riassunto   According to Carl Friedrich Gauss (1777–1855), mathematics is the
                        queen of the sciences—and number theory is the queen of
                        mathematics. Numbers (integers, algebraic integers, transcendental
                        numbers, p-adic numbers) and symmetries are investigated in the nine
                        refereed papers of this MDPI issue. This book shows how symmetry
                        pervades number theory. In particular, it highlights connections
                        between symmetry and number theory, quantum computing and
                        elementary particles (thanks to 3-manifolds), and other branches of
                        mathematics (such as probability spaces) and revisits standard subjects
                        (such as the Sieve procedure, primality tests, and Pascal's triangle). The
                        book should be of interest to all mathematicians, and physicists.