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Altri autori (Persone)	DolgachevIgor LiedtkeChristian
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Nota di contenuto	0 Preliminaries -- 1 Enriques surfaces: generalities -- 2 Linear Systems on Enriques Surfaces -- 3 Projective Models of Enriques Surfaces -- 4 Genus One Fibrations -- 5 Moduli Spaces -- Appendix A: Automorphic Forms and Moduli Spaces by S. Kondo.
Sommario/riassunto	This book, consisting of two volumes, gives a contemporary account of the study of the class of projective algebraic surfaces known as Enriques surfaces. These surfaces were discovered more than 125 years by F. Enriques in an attempt to extend the characterization of rational algebraic curves to the case of algebraic surfaces. The novel feature of the present exposition is that no assumption on the characteristic of the ground field is assumed. This requirement calls for exploring the geometry of such surfaces by purely geometric and arithmetic methods that do not rely on transcendental methods such as the theory of periods of algebraic surfaces of type K3, which are close relatives of Enriques surfaces. Some of the methods use many technical tools from algebraic geometry that are discussed in Volume 1 and may be a useful

source of references for the study of algebraic surfaces over fields of positive characteristic. Volume 1 also contains a detailed exposition of the theory of elliptic surfaces over fields of arbitrary characteristic. The first volume is an essential and greatly extended revision of *Enriques Surfaces I*, published in 1989 by Birkhäuser and co-authored by F. Cossec and I. Dolgachev. Included is a new chapter devoted to the theory of moduli of Enriques surfaces. The two volumes together contain many examples and an extensive bibliography made up of more than 700 items.
