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Nota di bibliografia	Includes bibliographical references (pages [242]-251) and index.
Nota di contenuto	Topology of involutions -- Integral lattices and quadratic forms -- Algebraic surfaces -- Real surfaces: the topological aspects -- Summary: Deformation Classes -- Topology of real enriques surfaces -- Moduli of real enriques surfaces -- Deformation types: the hyperbolic and parabolic cases -- Deformation types: the elliptic and parabolic cases.
Sommario/riassunto	This is the first attempt of a systematic study of real Enriques surfaces culminating in their classification up to deformation. Simple explicit topological invariants are elaborated for identifying the deformation classes of real Enriques surfaces. Some of theses are new and can be applied to other classes of surfaces or higher-dimensional varieties. Intended for researchers and graduate students in real algebraic geometry it may also interest others who want to become familiar with the field and its techniques. The study relies on topology of involutions, arithmetics of integral quadratic forms, algebraic geometry of surfaces, and the hyperkähler structure of K3-surfaces. A comprehensive

summary of the necessary results and techniques from each of these fields is included. Some results are developed further, e.g., a detailed study of lattices with a pair of commuting involutions and a certain class of rational complex surfaces.
