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Nota di contenuto	Geometric considerations -- Conformal mappings -- Existence theorems for harmonic maps between surfaces -- Uniqueness theorems -- A-priori C^1, α -estimates -- A-priori estimates from below for the functional determinant of harmonic diffeomorphisms -- The existence of harmonic diffeomorphisms which solve a Dirichlet problem -- C^1, α - a priori estimates for arbitrary domains. Non-variational existence proofs -- Harmonic coordinates. C^2, α - a - priori estimates for harmonic maps -- The existence of harmonic diffeomorphisms between surfaces -- Applications of harmonic maps between surfaces.