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Nota di contenuto	Ferroelectricity The Fundamentals Collection; Contents; 1 Foreword; 2 Selected Early Work 1921-1961; 2.1 Piezo-electric Activity of Rochelle Salt Under Various Conditions; 2.2 Rochelle Salt as a Dielectric; 2.3 A New Seignette-electric Substance; 2.4 Theoretical Model for Explaining the Ferroelectric Effect in Barium Titanate; 2.5 Theory of Barium Titanate; 2.6 The Lorentz Correction in Barium Titanate; 2.7 Phase Transitions in Solid Solutions of PbZrO ₃ and PbTiO ₃ ; 2.8 Dielectric Constant in Perovskite Type Crystals; 2.9 Ferroelectricity of Glycine Sulfate 2.10 Switching Mechanism in Triglycine Sulfate and Other Ferroelectrics 2.11 Crystal Stability and the Theory of Ferroelectricity; 3 Ferroelectrics 1966-2001: An Overview; 3.1 Introduction; 3.2 Statistical Indicators; 3.3 Phase Transitions and Critical Phenomena; 3.4 Ferroelectric Liquid Crystals; 3.5 Ferroelectric Thin Films; 3.5.1 Crystalline Films; 3.5.2 Ferroelectric Memories and Integrated Ferroelectrics; 3.5.3 Two-dimensional Ferroelectricity in Crystalline Films; 3.5.4 Freely Suspended Ferroelectric Smectic Thin Films; 3.6

Dipolar Glasses and Relaxors; 3.7 Incommensurate (IC) Systems
4 Phase Transitions in Ferroelectrics: Some Historical and Other
Remarks5 Theory of Ferroelectrics; 6 Ferroelectric Ceramics: History
and Technology; 7 Tenth International Meeting on Ferroelectricity: IMF-
10, a Jubilee Meeting; 7.1 A Touch of History; 7.2 A Wealth of Science;
7.3 A Glimpse at Spain, at Madrid and at Spanish Life and Culture; 7.4
Summary

Sommario/riassunto

This indispensable collection of seminal papers on ferroelectricity provides an overview over almost a hundred years of basic and applied research. Containing historic contributions from renowned authors, this book presents developments in an area of science that is still rapidly growing. Although primarily aimed at scientists and academics involved in research, this will also be of use to students as well as newcomers to the field.
