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Nota di contenuto	Contents; 1 Introduction; 2 Transformations; 3 Symmetry; 4 Transformation operators for symmetry elements; 5 Tensors and physical properties; 6 Thermodynamic relationships; 7 Specific heat and entropy; 8 Pyroelectricity; 9 Dielectric constant; 10 Stress and strain; 11 Thermal expansion; 12 Piezoelectricity; 13 Elasticity; 14 Magnetic phenomena; 15 Nonlinear phenomena; 16 Ferroic crystals; 17 Electrical resistivity; 18 Thermal conductivity; 19 Diffusion and ionic conductivity; 20 Galvanomagnetic and thermomagnetic phenomena; 21 Thermoelectricity; 22 Piezoresistance; 23 Acoustic waves I 24 Acoustic waves II 25 Crystal optics; 26 Dispersion and absorption; 27 Photoelasticity and acousto-optics; 28 Electro-optic phenomena; 29 Nonlinear optics; 30 Optical activity and enantiomorphism; 31 Magneto-optics; 32 Chemical anisotropy; Further Reading; Index
Sommario/riassunto	In addition to their great beauty, crystals and other textured materials are enormously useful in electronics, optics, acoustics and many other engineering applications. This text describes the underlying principles

of crystal physics and chemistry, covering a wide range of topics and illustrating numerous applications.

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