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Nota di contenuto	Cover -- Title Page -- Copyright Page -- Contents -- Foreword -- Preface to the Third Edition -- Preface to the Second Edition -- Preface to the First Edition -- About the Authors -- Chapter 1 Introduction -- Chapter 2 Liquid Crystal Materials and Liquid Crystal Cells -- 2.1 Properties of Liquid Crystals -- 2.1.1 Shape and phases of liquid crystals -- 2.1.2 Material properties of anisotropic liquid crystals -- 2.2 The Operation of a Twisted Nematic LCD -- 2.2.1 The electro-optical effects in transmissive twisted nematic LC cells -- 2.2.2 The addressing of LCDs by TFTs -- References -- Chapter 3 Electro-optic Effects in Untwisted Nematic Liquid Crystals -- 3.1 The Planar and Harmonic Wave of Light -- 3.2 Propagation of Polarized Light in Birefringent Untwisted Nematic Liquid Crystal Cells -- 3.2.1 The propagation of light in a Fréedericksz cell -- 3.2.2 The transmissive Fréedericksz cell -- 3.2.3 The reflective Fréedericksz cell -- 3.2.4 The Fréedericksz cell as a phase-only modulator -- 3.2.5 The DAP cell or the vertically aligned cell -- 3.2.6 The HAN cell -- 3.2.7 The cell -- 3.2.8 Switching dynamics of untwisted nematic LCDs -- 3.2.9 Fast blue

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