

Liquid crystals for photonic applications.

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In this paper we describe application of liquid crystals in optical imaging and processing. Electrically and optically addressed liquid crystal spatial light modulators are key elements in real-time holographic devices. Their implementation for beam steering and hologram formation is briefly discussed. The Joint Fourier transform optical correlator for pattern recognition is presented as well as the use of liquid crystals for the adaptive optics purposes is discussed.

Słowa kluczowe

Liquid crystals, Holographic gratings, Optically addressed liquid crystalline spatial light modulators

Adres publiczny

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