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Title: Application of femtotechnologies and terahertz spectroscopy methods in cataract diagnostics

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Abstract: We study the destructive action of femtosecond pulses (200 fs) on the human cataractous crystalline lens and the transmission of the cataractous lens in the terahertz spectral range of electromagnetic oscillations (0.2-1 THz) in relation to the density of the nucleus of the lens.