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1. The Nonlinear Optical Susceptibility 1 1.1. Introduction to Nonlinear Optics 1 1.2. Descriptions of Nonlinear Optical Processes 4 1.3. Formal Definition of the Nonlinear Susceptibility 17 1.4. Nonlinear Susceptibility of a Classical Anharmonic Oscillator 21 1.5. Properties of the Nonlinear Susceptibility 33 1.6.

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