# LINEARIZED FEEDFORWARD CONTROL OF TWO-LEVEL QUANTUM SYSTEM BY MODULATED EXTERNAL FIELD

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Abstract. We propose a model of feedforward (open-loop) optical control of two-level atom in the linearized form. This model allows to express the general form of solution for the atomic level populations via the arbitrary shapes of the control signal. Then we make numerical investigations of different shapes for the optical control signal.

*PACS:* 02.30.Yy, 42.50.p

*Key words: Feedforward control; Quantum optics*