

QUANTUM TRANSITIONS IN  
QUASI-STATIONARY TWO-LEVEL SYSTEM

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S u m m a r y

A two-level quantum system influenced by both electromagnetic irradiation and a low-frequency harmonic perturbation changing the energy level position is considered. The probabilities of excitation of the system are obtained in the adiabatic approach. The dynamics of the population of energy levels is analyzed according to the equation particle balance. It is shown that inversion population is realized in the quasi-stationary two-level system unlike a stationary one.