

## Solving Two Kinds of JC Models Relating to Two-Photon Process by Supersymmetric Transformation

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**Abstract:** We propose two kinds of new Jaynes-Cummings models relating to two-photon process by using the supersymmetric unitary transformation. The corresponding energy eigenvalues and eigenvectors are obtained.

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**Key words:** Jaynes-Cummings models, two-photon process, supersymmetric transform

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