

## Entanglement in Three-Atom Tavis-Cummings Model Induced by a Thermal Field

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Abstract: The explicit form of the evolution operator for the three-atom Tavis-Cummings model is given. The atoms can be entangled through their interaction with a thermal field. The degree of entanglement depends on the mean photon number of the thermal field and the initial state of the atoms.

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Key words: entanglement, evolution operator, Tavis-Cummings model, thermal field

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