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Entanglement Transfer in a Double Jaynes-Cummings Model SAMINA MASOOD, University of Houston Clear Lake, Houston TX, ALLEN MILLER, Syracuse University, Syracuse, NY — We compute and analyze the atomatom entanglement, the entanglement between the two photon modes, and also the entanglement between each atom and each photon mode. The measure of entanglement is the von Neumann entropy. For the case in which the two atom-photon systems have identical properties, but allowing for non-resonant conditions, the sum of the atom-atom and photon-modes-entanglement is time-independent.

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