

GENERAL SYSTEM PARAMETERS OF A DISSIPATIVE TWO-MODES SQUEEZED STEADY STATE

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ABSTRACT. We give the most general Hamiltonian and dissipative channels for an open quantum system that contains two modes, and interacts with the environment via two dissipative channels, in such a manner that the system is maintained to have a two modes squeezed steady state. An optomechanical system implementation is also given.