

Question: *Master equations*

In class we derived a master equation for a system of matter (spins) coupled to the electromagnetic field. Come up with a few other situations in physics where there is a system coupled to an environment, in which we may be able to derive a master equation. For each: What is the system? What is the environment? What is the coupling? Will the reduced description of the system be a master equation? If so, what are the “jump operators”?