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Title: Optimal control for a general class of stochastic initial boundary value problems subject to distributed and boundary noise

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In this paper we consider a class of stochastic evolution equations arising from parabolic initial boundary value problems subject to both boundary and distributed noise. We prove existence and regularity of mild solutions. Then we consider a controlled version of the model and prove the existence of optimal controls for partially observed problems using a class of relaxed controls containing both distributed controls and point controls.

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