

The Li-Yau-Hamilton Estimate and the Yang-Mills Heat Equation
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The talk will focus on two connected subjects. First, we will discuss the Li-Yau-Hamilton estimate for the heat equation on a manifold M with nonempty boundary. Results of this kind play a significant part in the study of geometric flows. Second, we will talk about the Yang-Mills heat equation in a vector bundle over M . Our interest is mainly in the long-time existence of solutions.