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AM-6	Error Estimates of Parabolic Control Systems by The Galerkin Method

In this paper we study convergence estimates of control term and solution for the parabolic control system using a Galerkin method. Using Lasiecka's method, we directly represent a convergence estimate of control u by terminal value.

$$y(t)t + Ay(t) = Bu(t) + f(t) \in (0, T] \qquad y(0) = y_0 \in H$$

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AM-7	Application of Legendre-Bernstein basis transformations to degree reduction with constraints

We study the relationship of transformations between Legendre and Bernstein basis. Using the relationship, we present a simple and efficient method for optimal multiple degree reductions of Bezier curves with constraints.