
Abstract: We consider a stabilized finite element formulation for the Reissner-Mindlin plate bending model. The method, introduced in [18] uses standard bases functions for the deflection and rotation vector. Due to the stabilization the conditioning of the method is such that multigrid algorithms can readily been used. In the paper we first prove some error estimates needed for multigrid methods. Then we prove the a simple multigrid method has optimal complexity. Numerical results are also give.

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