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Sheng Zhang* (sheng@math.wayne.edu), Department of Mathematics, Wayne State University, Detroit, MI 48202. *Some numerical methods for shell models*. Preliminary report.

We present some numerical methods for the models of elastic shells. The methods are devised by using the discontinuous Galerkin approach and mixed finite element methods methodology. We show that the methods are stable and free of membrane/shear locking. (Received February 16, 2010)