(Some issues arising in)
variational elasticity of thin plates

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I will discuss and compare some aspects of approaches to thin plates that have arisen recently in the soft matter physics community. There are at least two metric tensors relevant to any description of elasticity, and different choices have been made about how to employ these objects. The choices affect, among other things, the definition of bending energy and the simplicity of the equations. These issues have already been partially addressed in the engineering mechanics literature.

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