A remark on the well-posedness of the classical Green-Naghdi system

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Abstract

The aim of this paper is to give an alternative technique for the derivation of a prior energy estimate. Consequently, this allows to define a natural energy norm of the long-term well-posedness result established by S. Israwi in [2] but for the original system, in which the partial operator $[?]\times$ is not involved.

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1