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**On the weak solvability of an antiplane contact problem for nonlinearly elastic materials**

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**Abstract:** We consider an antiplane frictional contact problem for nonlinearly elastic materials. We introduce the notion of weak solution as a solution of a coupled variational system consisting of a variational equation and a variational inequality. Then, we are interested to prove the existence and the uniqueness of the weak solution. Also, a Hölder continuous dependence on the data is discussed. (based on a joint work with A. Matei)