
The existence of solutions for the perfect plasticity model with time dependent constraints

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Abstract

In this talk, We discuss problems with the plastic deformation of perfect materials. This problem has been discussed by many scholars. In particular, G.Duvaut and J.L.Lions showed the solutions of the evolution problem that has the constraints on threshold of stress, in 1976. We think about the solvability of the extended problem having the function $f(t,x)$ of the threshold. Here follows the way of Duvaut-Lions, we talk about the existence of solutions of the parabolic approximation problem.

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