TIME-DEPENDENCE OF THE THRESHOLD FUNCTION
IN THE PERFECT PLASTICITY MODEL

Dedicated to Professor Nobuyuki Kenmochi on the occasion of his 77th birthday

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Abstract. This paper discusses the time-dependence of a threshold function in the perfect plasticity model. It is meaningful to discuss the well-posedness under the weaker assumption for time-dependence than previous works. This kind of problem is also interesting from the point of the theory for the abstract evolution equation. In this paper, we consider the two cases, that is, with and without the assumption of the time differentiability for the threshold function. The abstract theory is applied under the continuous class with respect to time.

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