
Lecture

General Variational Methods II

Summer Term 2009

Convex Analysis: [IT79, ET99, Zei85]

Rate-independent evolution models:

Introductory text: [Mie]

Survey article: [Mie05]

Elasto-plasticity: [HR99]

References

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- [HR99] W. Han and B. D. Reddy. *Plasticity. Mathematical theory and numerical analysis.* Interdisciplinary Applied Mathematics, 9. Springer-Verlag, 1999.
- [IT79] A.D. Ioffe and V.M. Tihomirov. *Theory of extremal problems. Translated from the Russian by K. Makowski.* Studies in Mathematics and its Applications, Vol. 6. Amsterdam, New York, Oxford: North-Holland Publishing Company. XII, 1979.
- [Mie] Alexander Mielke. Modeling and analysis of rate-independent processes. Manuscript of the Lipschitz Lecture held at University Bonn, 2007.
<http://www.wias-berlin.de/people/mielke/papers/Lipschitz07Mielke.pdf>.
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- [Zei85] Eberhard Zeidler. *Nonlinear functional analysis and its applications. III: Variational methods and optimization.* New York etc.: Springer-Verlag. , 1985.