

[Mosolov, P. P.](#); [Myasnikov, V. P.](#)

**Mechanics of rigid plastic media.** (Mekhanika zhestkoplasticheskikh sred). (Russian)

Zbl 0551.73002

Moskva: "Nauka". 208 p. R. 1.20 (1981).

Mechanics of rigidly plastic bodies and constructions are considered based on the non-classical variational calculus. Main attention has been paid to mathematical aspects of modelling rigid plastic materials. Efficient general methods proposed by the authors for the investigation of non-smooth functionals connected with static and dynamic problems of the plasticity theory have been stated.

**MSC:**

- [74-02](#) Research exposition (monographs, survey articles) pertaining to mechanics of deformable solids
- [74R20](#) Anelastic fracture and damage
- [74S30](#) Other numerical methods in solid mechanics (MSC2010)

Cited in **1** Review  
Cited in **45** Documents

**Keywords:**

stationary flows; planar and antiplanar flows; two-sided estimates; proximity of rheological models; rigidly plastic bodies