

Existence of Solutions for Motions of Cosserat–Bingham Fluids

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Abstract

In the talk we present an existence result for global in time weak solutions for large data for the equations describing the motion of incompressible homogeneous Cosserat–Bingham fluids. Such fluids combine the behavior of micro-polar fluids and visco-plastic fluids. The existence proof uses the Lipschitz truncation technique and the theory of Bochner pseudomonotone operators.

References

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