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Examples of discontinuous, divergence-free solutions to elliptic variational problems

Comment.Math.Univ.Carolinae 36,3 (1995) 511-517.

Abstract: We give an example of a bounded discontinuous divergence-free solution of a linear elliptic system with measurable bounded coefficients in \mathbb{R}^3 and a corresponding example for a Stokes-like system.

Keywords: divergence-free solutions, elliptic systems, systems of Stokes-type, regularity

AMS Subject Classification: 35B65, 35D10, 35J45, 35Q