

Optimal Korn-Maxwell-Sobolev Inequalities

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Abstract

We present a complete picture of coercive Korn-type inequalities for generalised incompatible fields, and optimally extend and unify several previously known inequalities that are crucial to the existence theory for a variety of models in continuum mechanics. This talk is based on the recent joint works with Franz Gmeineder, Patrizio Neff, Stefan Müller and Jean Van Schaftingen, [5, 4, 3, 2, 1].

References

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