

Korn inequality in $GSBD^p$ in any dimension

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We give a regularity result for generalised special functions of bounded deformation. As a consequence, we obtain a Korn inequality in $GSBD^p$ (for any $p > 1$ and any dimension $n \geq 2$) with optimal exponent. This is work in collaboration with Antonin Chambolle (École Polytechnique, Palaiseau) and Lucia Scardia (Heriot-Watt University, Edinburgh).