Integral functionals with orthotropic structure

Lorenzo Brasco

We present some regularity results for the gradient of minimizers of a class of convex functionals, which exhibit a great lack of uniform convexity. The case of so-called "non-standard growth conditions" is considered, as well.

The results presented in this talk have been obtained in collaboration with Pierre Bousquet (Toulouse), Chiara Leone (Napoli) and Anna Verde (Napoli).

L Brasco, Dipartimento di Matematica e Informatica Via Machiavelli 30 44121 - Ferrara, ITALY

E-mail address: brslnz@unife.it