

Sharp integrability results for solutions to equations of n -Laplacian type: a tribute to Tadeusz Iwaniec

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Inspired by the work of Tadeusz Iwaniec on A -harmonic operator I will present a joint work with Paolo Baroni, Roberta Schiattarella and Gabriella Zecca. We prove optimal gradient integrability results of Calderón-Zygmund type for equations modeled after the n -Laplacian, in the scales of Orlicz and rearrangement invariant spaces. We allow for measurable coefficients and we both inquire the case of energy solutions and of very weak solutions.