

February 8, 2021

**Monday's Nonstandard Seminar 19**

**15:00**

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Title: **Boundedness results for degenerate elliptic integrals**

Abstract: In this talk we will present two regularity results for a class of elliptic integral functionals, with possibly degenerate energy densities with respect to the  $x$ -variable. The first result is about the local boundedness of vectorial local minimizers, proved by using the Moser's iteration method (in collaboration with P. Marcellini and E. Mascolo); the second result concerns the local boundedness of scalar quasi-minima and it proved by using the De Giorgi's method (in collaboration with S. Biagi and E. Mascolo).