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Geometrische Analysis

On some generalizations of classical results for a wide class of variational problems with linear growth conditions

We consider variational problems with linear growth conditions and the related Euler equations in the case of the existence of smooth solutions.

We are mainly interested in the generalization of classical theorems which are well known in the minimal surface case.

In particular we discuss Liouville- and Bernstein-type results as well as an extension of a theorem of Bers and Finn and some geometric aspects of so-called *g*-surfaces.

As a main ingredient a new variant of Caccioppoli's inequality is discussed at the end of our talk.

Ort: Raum 30.02.003 (Mathematik West, 2.Stock)   Zeit: Donnerstag, 03.07.2025, 12:00 Uhr

Zu diesem Vortrag laden wir Sie herzlich ein.
You are cordially invited to this lecture.

gez. Prof. Dr. Alfio Borzì
gez. Prof. Dr. Frank Werner