Princeton, Nov. 14-16, 2002

Quasiconvexity and its applications

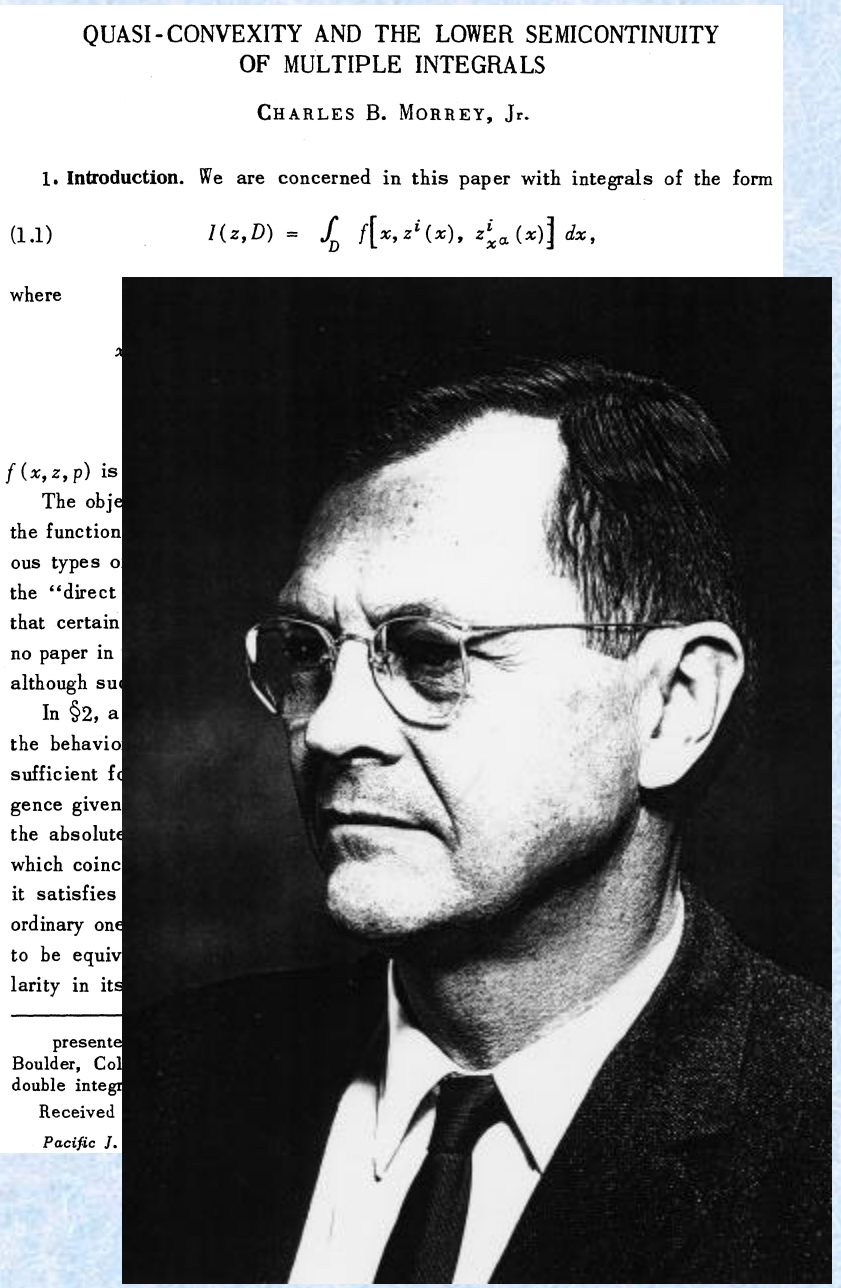
Perspectives 50 years after C.B. Morrey's seminal paper

Invited speakers:

K. Astala, Jyväskylä
B. Dacorogna, Lausanne
C. Dafermos, Brown
L. C. Evans, Berkeley
G. Friesecke, Warwick
N. Fusco, Napoli
T. Iwaniec, Syracuse (NY)
R. D. James, Minneapolis
B. Kirchheim, Oxford/Leipzig
J. Kristensen, Heriot-Watt
P.-L. Lions, Paris Dauphine
G. Milton, Utah
L. Nirenberg, Courant
M. Ortiz, Caltech
V. Šverák, Minneapolis
C. Thiele, UCLA
N. Trudinger, Canberra
K. Zhang, Sussex

Scientific committee:

J. M. Ball, Oxford
W. E, Princeton
R. V. Kohn, Courant
S. Müller, Leipzig



QUASI-CONVEXITY AND THE LOWER SEMICONTINUITY OF MULTIPLE INTEGRALS

CHARLES B. MORREY, Jr.

1. **Introduction.** We are concerned in this paper with integrals of the form

(1.1) $$I(z,D) = \int_D f\left[x, z^i(x), z^i_{x_\alpha}(x)\right] dx,$$

where

$f(x,z,p)$ is

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Sponsored by:
Deutsche Forschungsgemeinschaft (through Leibniz prize to S. Müller)
National Science Foundation
The Oxford-Princeton Mathematics Research Collaboration

For registration and further information (including details of introductory lectures on quasiconvexity by J. M. Ball on 12-13 November), see
http://www.mis.mpg.de/conferences/quasiconvexity2002/