AGR Short Course
Variational analysis and metric regularity theory

Prof. Emeritus Alexander Ioffe, Technion, Israel

University of Newcastle (CARMA)
16–19 July 2013

The University of Newcastle is offering a short course in the period 16–19 July 2013, entitled Variational Analysis and Metric Regularity Theory. The course is open to postgraduate students, honours students and researchers **who have access to Access Grid facilities**.

Registration

If you are interested in participating, **please register by emailing agr@amsi.org.au by 30 June** with the following information: your full name, email address, university affiliation, and postal address.
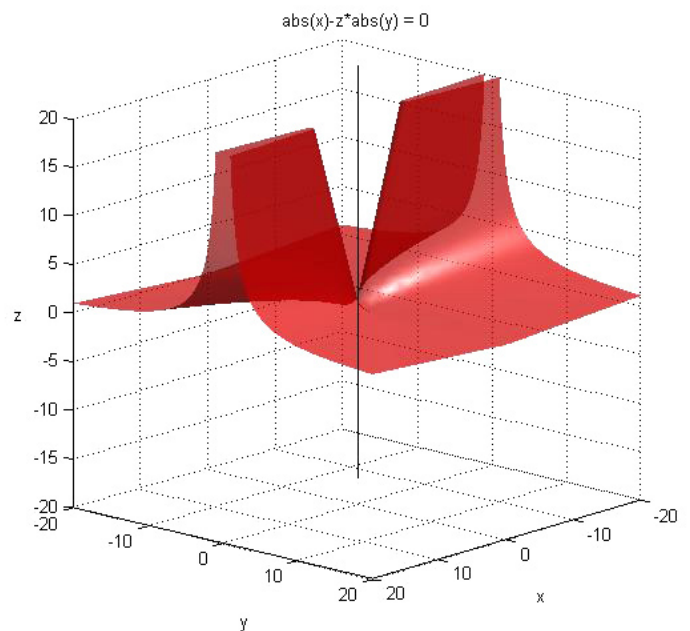

abs(x)-z*abs(y) = 0

Course Overview

The classical regularity theory is centred around the implicit and Lyusternik-Graves theorems, on the one hand, and the Sard theorem and transversality theory, on the other. The theory (and a number of its applications to various problems of variational analysis) to be discussed in the course deals with similar problems for non-differentiable and set-valued mappings. This theory grew out of demands that came from needs of (mainly) optimization theory and subsequent understanding that some key ideas of the classical theory can be naturally expressed in purely metric terms without mention of any linear and/or differentiable structures.

Dates and times

Tuesday 16 July 2.00-4.00PM (AEST)
Wednesday 17 July 2.00-4.00Pm (AEST)
Friday 19 July 2.00-4.00Pm (AEST)

Find out more www.amsi.org.au/agr-Ioffe-2013