

Spherical surfaces and related topics

Cortona, 20-24 June 2022



Online participation: send an email to mondello@mat.uniroma1.it

The workshop will be devoted to the study of surfaces with singularities of conical type.

In particular it will focus on the case of spherical metrics, Riemannian metrics of curvature 1. Such metrics have been studied from many points of view, using tools coming from synthetic geometry, complex analysis and partial differential equations.

The aim of the meeting is to bring together people with different backgrounds to discuss recent developments, techniques and questions in the areas of spherical surfaces with conical points, structures with singularities and their monodromy, solutions of the singular Liouville equation, polyhedral spherical surfaces, polyhedra linkages.

Mini-courses

[Chang-Shou Lin I - II - III](#)

(National Taiwan University)

[Feng Luo I - II - III](#)

(Rutgers University)

[Dmitri Panov I - II - III](#)

(King's College of London)

Research talks

[Daniele Bartolucci](#)

(Università di Roma "Tor Vergata")

[Martin de Borbon](#)

(King's College of London)

[Alexandre Eremenko](#)

(Purdue University)

[Gianluca Faraco](#)

(Max Planck Institut Bonn)

[Andrei Gabrielov](#)

(Purdue University)

[Matthew Gursky](#)

(University of Notre Dame)

[Michael Kapovich](#)

(University of California - Davis)

[Andrea Malchiodi](#) ([slides](#))

(Scuola Normale Superiore di Pisa)

[Alessia Mandini](#)

(Universidad Federal Fluminense)

[Gabriele Mondello](#)

(Sapienza Università di Roma)

[Guillaume Tahar](#)

(Weizmann Institute of Science)

[Gabriella Tarantello](#)

(Roma "Tor Vergata")

[Bin Xu](#) ([slides](#))

(University of Science and Technology of China)

[Xuwen Zhu](#)

(Northeastern University)

Organizing Committee

[Francesca De Marchis](#)

(Roma "Sapienza")

[Feng Luo](#)

(Rutgers University)

[Rafe Mazzeo](#)

(Stanford University)

[Gabriele Mondello](#)

(Sapienza Università di Roma)

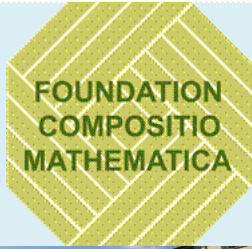
[Dmitri Panov](#)

(King's College of London)

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