Steady Problems in Fluid Dynamics and Elasticity

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Università degli Studi di Ferrara

Contents:

- Steady problems for the Navier-Stokes equations: basic questions.
- The functional spaces of hydrodynamics. Hydrodynamic potentials.
- The steady boundary value problem for the Stokes equation.
- Existence and uniqueness in bounded and exterior domains.
- The steady boundary value problem for the Navier-Stokes equations in bounded and exterior domains.
- The boundary value problem in elastostatics.
- Recent results on steady problems in fluid dynamics and elasticity in bounded and exterior domains.

Program
The lectures are organized as follows:
Wednesday February 19th, 2020:

- 14.30 - 17.30 (with floating coffee break)

Thursday February 20th, 2020:

- 9.30 - 12.30 (with floating coffee break)
- 13 Lunch
- 15 - 18 (with floating coffee break)
- 19.30 Social Dinner

Friday February 21st, 2020:

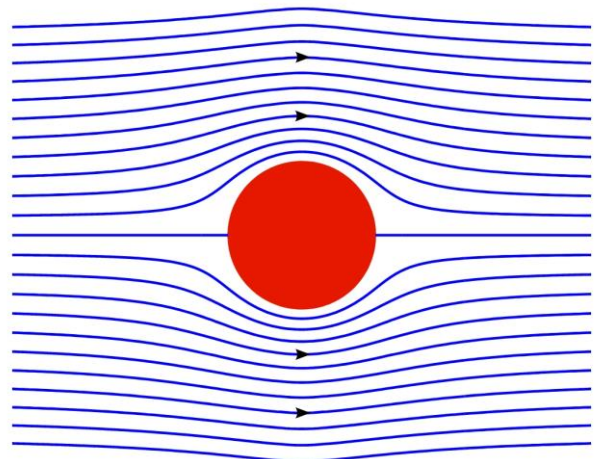- 9.30 - 12.30 (with floating coffee break)

Application
Those who are interested are kindly requested to write an e-mail to:
alfredo.marzocchi@unicatt.it and/or giulia.giantesio@unicatt.it
No participation fee is required.
https://www.dmf.unicatt.it/merla/

Series of lectures

February 19-20-21, 2020
Aula 2
Università Cattolica del Sacro Cuore
Via Musei 41 - Brescia

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