



Máster Universitario en
Matemáticas

Minicurso: “Smallness” on the real line.

02/05/2019

Conferenciante: Grażyna Horbaczewska (Lodz,
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Lugar: Seminario 1, Instituto de Matemáticas
(primera planta)

Fechas y horas: 07/05/2019 al 09/05/2019, de 10
a 12 horas.

Título: “Smallness” on the real line.

Resumen: The main aim of the lectures is to
consider analogies between topological and
measure spaces using notions of “smallness” in a
sense of measure and category.

1. a notion of sigma ideal, examples of such families in a context of measure and category;
2. different meaning of “smallness” on the real line;
3. Cantor, Baire and Borel theorems, connections between them and examples of their usage for “existence proofs”;
4. properties of the set of Liouville numbers.

