



COLÓQUIO DE MATEMÁTICA

Quarta-feira, 21 de junho de 2023 às 16h00

Critical and supercritical PDEs: (I'm forever) blowing bubbles

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Ciências
ULisboa | Matemática

Convívio antes do Colóquio na sala dos docentes do C6,
com café, chá e bolos (15h45 até às 16h00)

Abstract:
Critical and supercritical PDEs appear in a large variety of problems arising from very different areas ranging from

physics to geometry passing through biology. Critical refers to a situation where the nonlinearity in the PDE satisfies a Sobolev embedding which is continuous but not compact. The main feature of this kind of equation is the fact that solutions can blow up. I will try to give a glimpse at the behavior of solutions to such equations.