

# COLÓQUIO DE MATEMÁTICA

Quarta-feira, 19 de maio de 2021 às 16h00

**A cornucopia of surprises: the Riemann Hypothesis at 162**

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**FACULDADE DE CIÊNCIAS**  
Edifício C6 - Sala: 6.2.33



Ciências  
ULisboa

Matemática

*Convívio antes do Colóquio no átrio do C6, com café,  
chá e bolos (15h30 até 16h00)*

**Sumário:**  
The Riemann Hypothesis (RH) is arguably the most important unsolved problems in Mathematics, being one of the outstanding Millenium Problems. In this talk we provide a bird's eye view of RH as Riemann conceived it, showing its connection to the exact formula for distribution of primes; we describe some classical results related to RH derived during its first century of life; and we sketch several modern approaches which lead to unexpected connections to other branches of Mathematics, including the ghostly appearance of the critical strip in the author's apparently unconnected research.