

Surjectivity of the Cauchy-Riemann operator

Laxmi Briedjlal
(Antwerpen)

Wednesday, May 20, 2026
16:00-17:00h on campus in M.G.006
Analysis & Geometry Seminar, Antwerpen

The Cauchy-Riemann operator is a differential operator between Fréchet spaces which plays an important role in complex analysis, characterizing the holomorphic functions. In this talk, we will study the surjectivity of the operator, using tools from homological algebra. In particular, we will use derived functors and projective spectra to develop surjectivity conditions that are applicable to any operator between Fréchet spaces.