



UNIVERSITÄT ZU LÜBECK
INSTITUT FÜR MATHEMATIK

Kolloquium des Instituts für Mathematik

Wir laden ein zu dem Vortrag

Non-classical Fourier inequalities

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About 100 years ago, William Henry Young and Felix Hausdorff proved that, for a periodic L^p -integrable function, the sequence of its Fourier coefficients necessarily lies in the discrete $\ell_{p'}$ space provided that p' is the conjugate of p and $1 < p \leq 2$. There are many examples showing that the Hausdorff-Young inequality does not hold for $p > 2$. In this talk I discuss natural extensions of Hausdorff-Young-type inequalities for any p . The talk does not require any prior knowledge of the topic.

Ort: Seminarraum Mathematik 1 (Hilbert)
Ratzeburger Allee 160, 23562 Lübeck

Zeit: 22. Februar 2023
16 Uhr c.t.

gez. Prof. Dr. J. Prestin