



Wir laden recht herzlich zu einem Vortrag im Rahmen des

Oberseminars Partielle Differentialgleichungen

ein:

Nick Lindemulder

(TU Delft)

“A randomized difference norm for vector-valued Bessel potential spaces”

Donnerstag, 24. Januar 2019

Beginn: **15:15 Uhr**

Raum: **F0426**

Interessenten sind herzlich willkommen!

R. Denk, R. Racke, O. Schnürer

Zusammenfassung: In this talk we discuss a randomized difference norm characterization for Bessel potential spaces in the UMD Banach space-valued setting. The main ingredients are R-boundedness results for Fourier multiplier operators, which are of independent interest. As an application we characterize the pointwise multiplier property of the indicator function of the half-space on these function spaces. The latter is an important ingredient in interpolation with boundary conditions.