

EINLADUNG

zu

einem didaktischen Vortrag

im Rahmen der Habilitation von

Dipl. Ing. Dr. Eduard Nigsch

(Fakultät für Mathematik, Universität Wien)

“The Peetre theorem”

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Abstract:

A well-known theorem of Jaak Peetre gives a surprisingly simple characterization of differential operators: a linear endomorphism of the space of compactly supported smooth functions is a differential operator if and only if it is support-non-increasing.

I will give an elementary proof of the Peetre theorem using only basic multivariable calculus. Moreover, I will discuss possible generalizations.

**Montag, 27. Juni 2016,
12.00 Uhr - 12.45 Uhr,**

**Fakultät für Mathematik,
Oskar-Morgenstern-Platz 1,
SR12, 2. OG**

Michael Kunzinger