

Fakultät für Mathematik



Mathematisches Kolloquium

EINLADUNG

Prof. Dr. Heinz H. BAUSCHKE

(University of British Columbia)

“An invitation to modern projection methods”

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Abstract:

Abstract feasibility problems, i.e., finding a solution satisfying certain constraints, are common in mathematics and the natural sciences. If the constraints have simple projectors (nearest point mappings), then one popular approach to these problems is to use the projectors in some algorithmic fashion to approximate a solution. In this talk, I will survey three methods:

alternating projections

- *alternating projections*

- *Dykstra and*

- *Douglas–Rachford*

and comment on recent advances and remaining challenges.

**Zeit: Mittwoch, 16. Juli 2014
16.15 Uhr Vortrag
Anschließend 17.00 Uhr Kaffeejause,**

**Ort: Fakultät für Mathematik,
Oskar-Morgenstern-Platz 1,
„Sky-Lounge“-12. OG**

Ioan Bot
Harald Rindler