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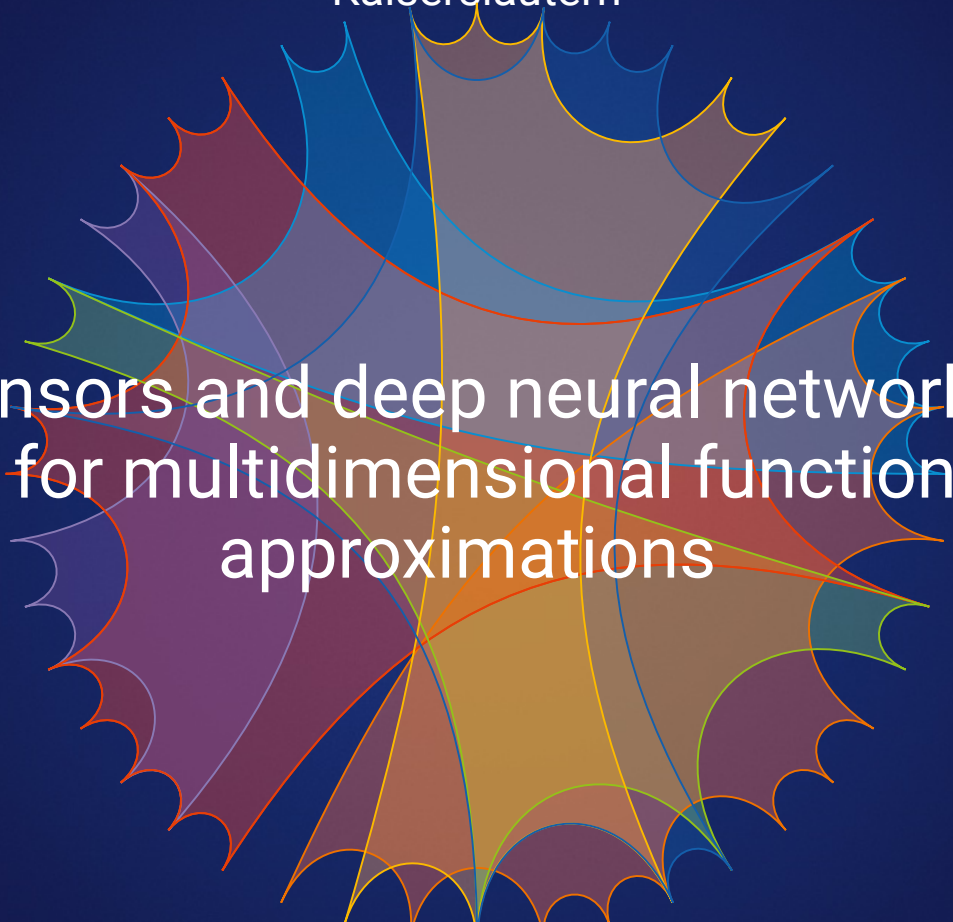
**UNIVERSITÄT
HEIDELBERG**
ZUKUNFT
SEIT 1386

STRUCTURES JOUR FIXE

Ivan Oseledets

Fraunhofer Institute for Industrial Mathematics, ITWM

Kaiserslautern



**Tensors and deep neural networks
for multidimensional function
approximations**

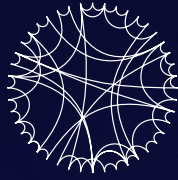
Pretalk by Jakob Zech starts at 1 pm

April 26, 2024, 1:30 PM, Phil 12 GHs

COFFEE & SNACKS IN ROOM 106

ZOOM: Meeting ID: 935 6549 3662, Code: 928036

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ABSTRACT

In this talk, I will discuss the idea of tensor decompositions and their applications for efficient function approximation. Another popular approach are neural networks and neural operators. I will discuss interesting problems and algorithms that arise while using them.

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