

INSTITUTSSEMINAR

Am Donnerstag, dem 18. April 2024, spricht um 11:00 Uhr im Raum Z 2073

Matthäus Micun

zum Thema:

"The Descriptive Complexity of Higher Order Graph Neural Networks".

Zusammenfassung:

We expand on a previous result analyzing the descriptive complexity of graph neural networks (GNNs) to higher-order GNNs. In this talk, we consider so-called restricted k -GNNs, which can only aggregate over certain edges, and prove that they can be defined in the k -guarded fragment of first-order logic with counting terms. We further discuss some extensions to this result.

Alle Interessierten sind herzlich eingeladen.

Univ.-Prof. Dr. Dietrich Kuske

Ilmenau, 08.04.2024