

# Vorlesungsankündigung

— Wintersemester 2021/22 —

## Spezielle Kapitel der theoretischen Informatik **Zweidimensionale Bildsprachen**

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This lecture aims to introduce a few types of automata and grammar models and gives an overview on the class of languages recognized by them in the two-dimensional world. A two-dimensional string (or a picture) is a two-dimensional rectangular array of symbols taken from a finite alphabet. A two-dimensional language (or picture language) is a set of pictures.

### Contents:

- Two-dimensional Automata
- Two-dimensional Grammars
- Tiling Systems, Domino Systems
- Weighted Picture Automata

In order to receive all the necessary information, it is necessary for the participants to register for the course via the Porta system. Access data, lecture materials, etc. will then be available to you via StudIP.

**Voraussetzungen:** keine

We meet on Thursday, 28. October. 2021 between 09:15 to 10:00 at H13.

### Termine:

**Vorlesung:** Beginn: DO 28. Okt. 2021

**Übung:** nach Absprache Beginn: 2. Semesterwoche

Wir werden die Termine in der ersten Vorlesung nochmal durchsprechen.