

Master's Thesis

## **Polar Code Design for Parallel Channels**

In this thesis, polar code design principles for parallel channels and higher order constellation formats are investigated. The problem naturally arises if polar codes should be used for OFDM based transmission systems.

## **Prerequisites**

Information Theory, Channel coding, Channel Codes for Iterative Decoding

## **Advisors**

Fabian Steiner, Tobias Prinz, Peihong Yuan