

Master's Thesis

# Polar Coding with Non-Binary Kernels

This thesis will focus on polar codes with non-binary kernels on  $GF(q)$ . Some of the following tasks might be covered:

- Kernel selection
- Decoder implementation
- Efficient construction
- Comparison of binary and non-binary polar codes

## Prerequisites

- Channel Coding
- Information Theory
- Matlab/C++

## Advisors

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