Chair of Communications Engineering
TUM Department of Electrical and Computer Engineering
Technical University of Munich

TUM

Bachelor's Thesis

Simulation and Analysis of Finite Block-length Wiretap Codes by Autoencoders

Finite block-length wiretap codes by means of Autoencoders should be implemented in Python. Models for training/testing of the system model should be written, compiled and curves of results for BLER-Leakage trade-off must be obtained. The found codeword via implemented AE should be presented along with detail analysis of all the obtained curves.

Prerequisites

1. Programming (Python)
2. Machine Learning (Autoencoders)
3. Finite Block-length Information Theory

Advisors

Mohammad Salariseddigh