



Physical layer pipelines for 5G

This module contains classes implementing the 5G NR physical layer using GPU acceleration through the cuPHY library. The module contains full PDSCH transmitter and PUSCH receiver pipelines in `PdschTx` and `PuschRx`, respectively. The other parts of this module contain individual components of the transmitter-receiver chain, such as for example the LDPC encoder and decoder in `LdpcEncoder` and `LdpcDecoder`, and the channel estimator in `ChannelEstimator`.

Contents:

- [Receiver algorithms](#)
- [PDSCH](#)
- [PUSCH](#)
- [LDPC 5G](#)

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