

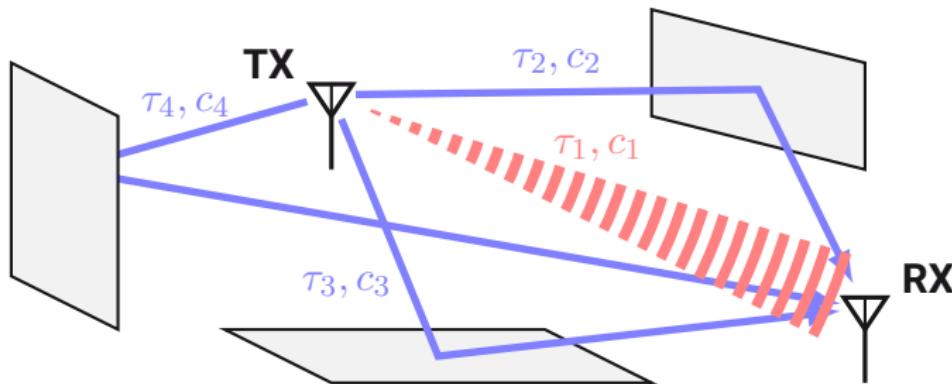
Multipath Fading Demonstration Platform using Software Defined Radio

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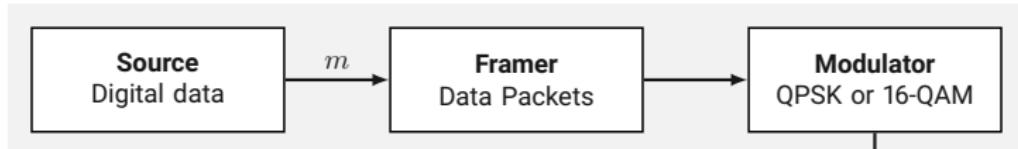
Multipath fading



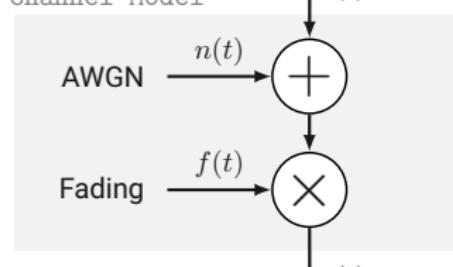
$$r(t) = \sum_k c_k s(t - \tau_k).$$

Block Diagram

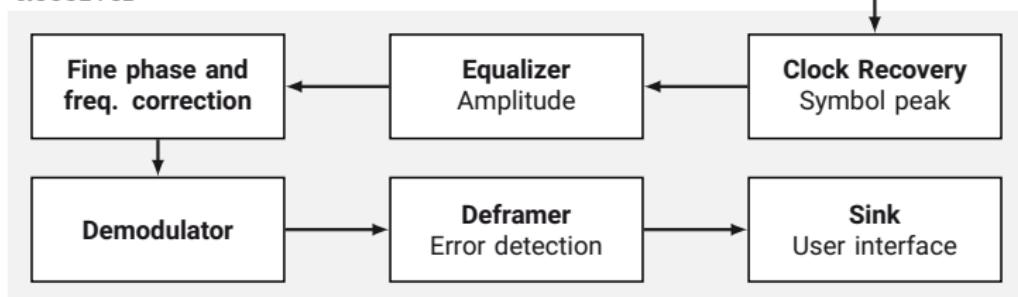
Transmitter



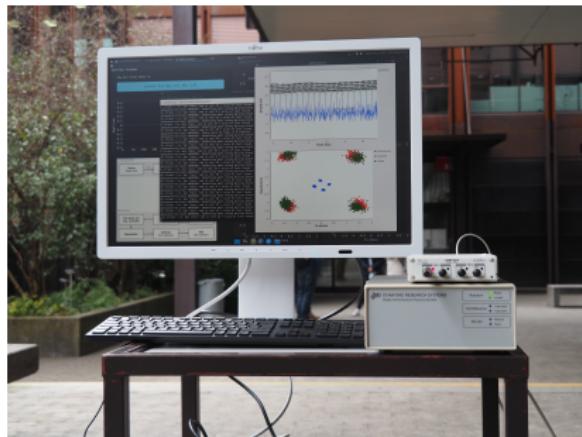
Channel Model



Receiver

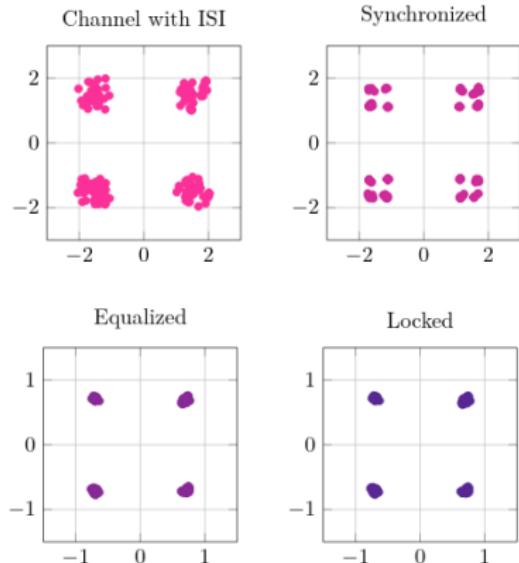


Transmitter and Receiver Chains



Channel model

■ Discrete-time model



■ Statistical model

