

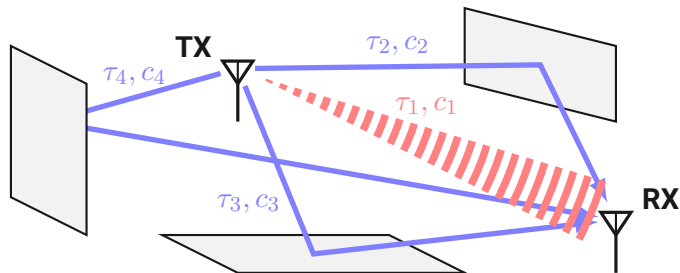
# Multipath Fading Demonstration Platform using Software Defined Radio

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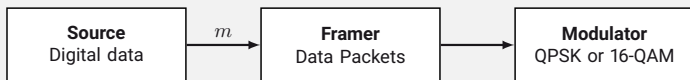
# Multipath fading



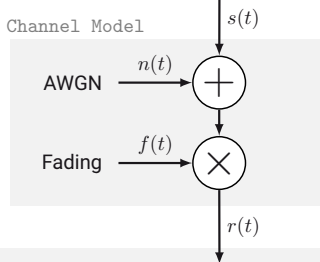
$$r(t) = \sum_k c_k s(t - \tau_k).$$

# Block Diagram

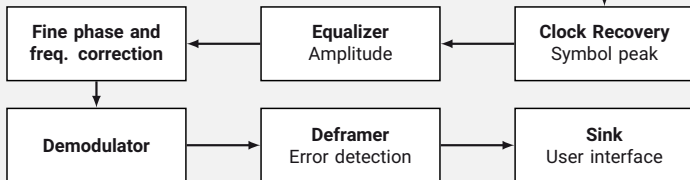
Transmitter



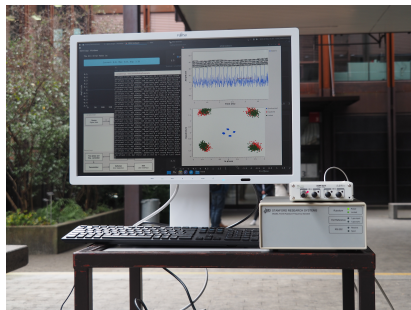
Channel Model



Receiver

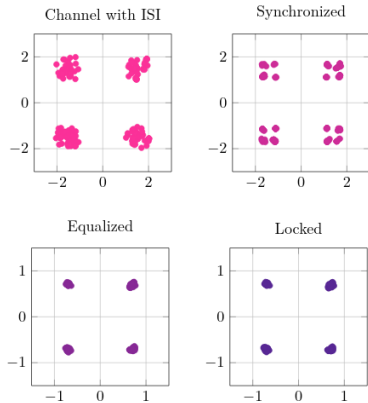


# Transmitter and Receiver Chains



# Channel model

## ■ Discrete-time model



## ■ Statistical model

