

Bachelor's Thesis

# Effect of pulse shape on in-band energy loss in the optical fiber channel

The nonlinearity of the optical channel causes spectral broadening, which leads to in-band energy loss even in the attenuation-free model. The purpose of this Bachelor's Thesis is to characterize the effect of the pulse shape on this energy loss and find a transmit pulse that suffers low loss along propagation.

## Advisors

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