

PROJECT / Simplified Volterra analysis for dynamical optical networks compensation

VADONetC

Main Objective:

- 1 - the definition of a modeling procedure for the communications channel that allows its postcompensation. In this activity one should consider as a starting point the physical model provided by the Volterra Series Transfer Function and study the inclusion of some black box terms that can improve its performance by introducing the possibility to be adapted according to slight variations in the system to be modeled.
- 2 - Implement the practical details associated with the implementation of such systems in real pre/postcompensation scenarios.

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