



NEW RELEASE: OPTISYSTEM 4.1

OptiSystem is a powerful optical communication system design tool created to address the needs of optical telecom engineers, researchers and students. OptiSystem satisfies the demand of users who are searching for a professional simulation environment to meet their current design needs.

OptiSystem 4.1 is available in three configurations: Full, Amplifier and Multimode Editions, providing users a flexible licensing structure.

What's new in OptiSystem 4.1?

New features and tighter integration among components simplify simulation tasks, enabling you to work more efficiently than ever before:

Dynamic Er-Yb Codoped Fiber: A new dynamic model of a double clad Er-Yb co-doped fiber, allows for the simulation of transient characteristics of amplifiers and lasers.

Brillouin effect: A new Stimulated Brillouin Scattering numerical engine as a strong addition to OptiSystem bidirectional fiber models, including Yb and Er-Yb codoped fibers.

Doped fiber nonlinearities: Fiber non-linear effects including Four-Wave Mixing, Stimulated Brillouin Scattering, Self-Phase Modulation, Cross-Phase Modulation, and Stimulated Raman Scattering are all included as options to the Yb and Er-Yb codoped fiber models.

Time-driven directly modulated lasers: OptiSystem laser models now support electrical signals as individual samples or time-driven signals. It facilitates the design of pump and feedback controllers to suppress transient effects in fiber amplifiers and lasers.





BER Analyzer:

The analysis of bit error rate from optically amplified systems, where the noise distribution at the receiver is known to be non-Gaussian, can be easily accomplished with OptiSystem.

The new BER Analyzer can display histograms and probability plots, and includes three additional BER estimators based on the noncentral Chi-Square distribution.

Request your free 30-day evaluation of OptiSystem, including full engineering support services. Please contact us at info@optiwave.com or visit us online at <http://www.optiwave.com>.

