

This letter presents an experimental comparison between two linear-cavity erbium-doped fiber lasers (EDFL) assisted by two different artificial backscatter fiber-based reflectors.

GratingMOD is a general design tool for analyzing and synthesizing complicated grating profiles in optical fibers and integrated waveguide circuits for a wide variety of photonic applications.

With the grating coupler as an example, the 2D decomposition of the complex problem is a viable approach and is validated by rigorous 3D simulation. Such a complex optimum structure can be ...

In this work, a three-mode (de)multiplexer based on a subwavelength grating multimode interference (SWG-MMI) coupler is proposed for the first time. The (de)multiplexer is designed ...

In this research paper, the impact of an opto-geometric fiber Bragg grating (FBG) is theoretically studied through simulation using the Rsoft Photonics CAD software's Grating Mod module, which is based ...

Which grating simulation software should we use? We chose to work with GD-Calc, as it has been recently updated and has been used for various recent scientific publications (although not for ...

Optimize the performance of your photonic applications with RSoft GratingMOD CMT, a general design tool that rapidly simulates complicated grating profiles in optical fibers and integrated waveguide ...

Learn how to design and simulate a grating assisted coupler using GratingMOD and RSoft CAD for efficient optical coupling.

This paper demonstrates how a complex grating coupler design can be efficiently designed and optimized with a 2D decomposition and then validated by 3D simulation using the RSoft photonic ...

In a fiber grating, as light propagates in the core, energy leaks into the cladding, as shown in Figure 5. This is obtained by running the simulation (traffic lights) after configuring the light source.

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