

## **RSoft Releases Photonics Component Design Suite 8.2**

*New product for simulating tapered laser cavities, improved CAD editing, improved handling of material properties and index generation.*

**June 11, 2010**, RSoft Design Group, the leader in Photonics Design Automation software, announced the release of its award winning Device Design Suite version 8.2 which includes BeamPROP, FullWAVE, BandSOLVE, GratingMOD, DiffractMOD, FemSIM, ModePROP, LaserMOD, and Solar Cell Utility. New features include a brand new Tapered Laser Utility and improved CAD editing.

The Tapered Laser Utility provides an efficient and accurate design tool for analyzing and optimizing tapered semiconductor laser diodes. It essentially combines, two of RSoft's most powerful and mature simulation tools BeamPROP and LaserMOD, to provide simulation of tapered laser diodes. The quasi-3D electrical, quantum mechanical gain and thermal calculations are performed via LaserMOD, whereas the optical field is propagated via BeamPROP in full 3D.

In addition, the RSoft CAD, which is used by all of RSoft's passive design tools, now has group editing capabilities which allow for quick and easy changes to large complicated structures. It applies to both homogeneous and heterogeneous collections of objects, and detects inconsistencies in the circuit.

Version 8.2 also comes with a number of improvements and enhancements to existing features. RSoft's extensive support for complicated material properties has been expanded to include additional options. Absorption monitors, index generation, and user index profiles have been improved. These new features apply to all simulation products in the suite.

For further information on RSoft Photonics Component Suite 8.2, and events featuring the software, please contact RSoft Design Group at [info@rsoftdesign.com](mailto:info@rsoftdesign.com) or visit our website at [www.rsoftdesign.com](http://www.rsoftdesign.com).

### **About RSoft Design Group, Inc.**

RSoft Design Group is the worldwide leader in photonics design automation software and serves several industries including optical communication, optoelectronics and semiconductor manufacturing. Within optical communications, RSoft is the only company to provide a full range of design, optimization and planning software for the entire component to network-level hierarchy. RSoft also provides design tools for passive and active optoelectronics components and subsystems as well as advanced electromagnetic modeling software for optical metrology and lithography. RSoft Design Group, Inc. is a privately held corporation with offices in the US, Japan and Europe and supports numerous distributors worldwide.

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### **MEDIA CONTACT:**

Scott Lahodny, Marketing Manager  
RSoft Design Group, Inc.  
[scott@rsoftdesign.com](mailto:scott@rsoftdesign.com)