



RSoft Design Group Enhances *BandSOLVE*, The Industry's Only Commercial Photonic Bandgap Calculation Tool

Version 1.1 Focuses on the Design of Photonic Crystal Slabs

January 28, 2003 — San Jose, CA — RSoft Design Group, Inc. (<http://www.rsoftdesign.com>) today announced the immediate availability of *BandSOLVE*[™] 1.1, the latest release of its design software for the calculation of photonic band structures -- the only commercial tool of its kind. *BandSOLVE* is built from the ground up to simplify the design and analysis of all photonic crystal (PC) devices.

BandSOLVE enables users to create PC designs in an intuitive CAD interface, and then generates accurate band structures and mode profiles with a just few mouse clicks. *BandSOLVE* handles arbitrary structures in one, two, or three dimensions, and can analyze numerous modal properties. An add-on module to RSoft's award-winning *BeamPROP*[™] CAD Framework for Photonics, *BandSOLVE* complements RSoft's *FullWAVE*[™] finite-difference time domain (FDTD) software to provide a complete picture of the behavior of photonic crystal devices including slabs, 3D crystals, and photonic crystal fibers. Updates in the 1.1 release focus on the design of photonic crystal slabs, and algorithmic enhancements have also increased the software's speed.

"We have been gratified by the degree of interest in *BandSOLVE* since its debut seven months ago," said RSoft CEO Dr. Robert Scarmozzino. "Our customers appreciate that a full understanding of photonic crystal devices requires both band structure optimization and propagation studies to quantify losses and coupling issues. The combination of *BandSOLVE* and *FullWAVE* represents a compelling and complete solution to a range of photonic crystal design problems. Other tool suppliers can only address half the problem."

BandSOLVE 1.1 is available for purchase now and will be demonstrated at this year's Photonics West 2003 conference, booth #518.

###

About RSoft Design Group, Inc.

Offering a comprehensive suite of design and business analysis software solutions to the telecommunications and photonics industries, RSoft Design Group is the only company that provides a full range of simulation and planning software and services across the entire component to network-level hierarchy. The company's award-winning products are used by researchers, manufacturers, systems integrators, and service providers to address design challenges ranging from the physics of component design to the business implications of planning wired and wireless networks. RSoft Design Group, Inc. is a

privately held corporation with software development offices in New York, New Jersey, Illinois and Silicon Valley, and global marketing operations in the Pacific Rim, Europe, and the Middle East. For more information, visit www.rsoftdesign.com.

Media Contact:

Dara Mirsky
RSoft Design Group, Inc.
+1 914-923-2164
dara@rsoftdesign.com