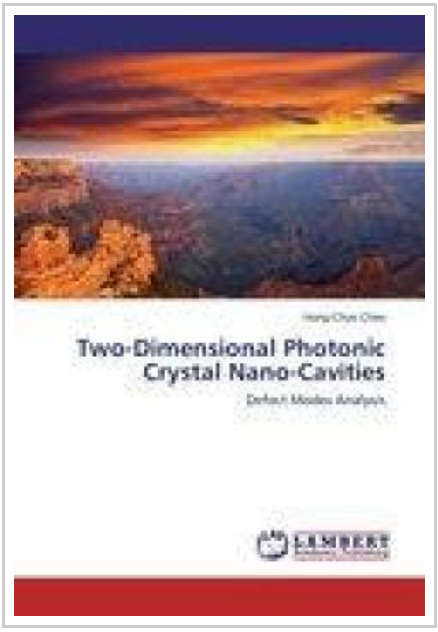

Two-Dimensional Photonic Crystal Nano-Cavities

By Hung-Chun Chao

LAP Lambert Academic Publishing Mrz 2014, 2014. Taschenbuch. Book Condition: Neu. 220x150x3 mm. This item is printed on demand - Print on Demand Neuware - This book is based on my master's research in Institute of Electro-Optical Engineering in National Chiao Tung University, 2005. It's entitled 'Analysis of Defect Modes of Two-Dimensional Photonic Crystal Nano-Cavities'. In this study we demonstrate some principles and techniques for the simulation of two-dimensional photonic crystals and photonic crystal nano-cavities formed by defects in two-dimensional photonic crystal slabs. Photonic band structures within and without a defect were simulated using both 2D and 3D plane wave expansion method and finite difference time domain method. Then a basic symmetry analysis was carried out by the group theory. Resonant frequencies, mode profiles, and quality factors of photonic crystal micro-cavities in finite height dielectric slabs were calculated by three-dimensional finite difference time domain method. 56 pp. Englisch.

Reviews

This pdf is wonderful. It is definitely simplified but excitement from the 50 percent in the ebook. You wont sense monotony at at any time of your time (that's what catalogues are for relating to should you request me).

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I just started looking at this pdf. It can be rally fascinating throgh studying period of time. Its been printed in an extremely basic way and is particularly only following i finished reading through this publication where in fact altered me, change the way i really believe.

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