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Summary:

Fourier Modal Method and Its Applications in Computational ... In contrast, Fourier Modal Method and Its Applications in Computational Nanophotonics is a complete guide to the principles and detailed mathematics of the up-to-date Fourier modal method of optical analysis. It takes readers through the implementation of MATLABÂ® codes for practical modeling of well-known and promising nanophotonic structures. Fourier Modal Method and Its Applications in Computational ... Kim, Park, and Lee establish this framework in Chapter 1 of Fourier Modal Method and Its Applications in Computational Nanophotonics. The remainder of this book is divided into six chapters.Chapter 2 begins with the concepts of scattering matrix and Bloch eigenmodes for a single blockâ€”a one-dimensional slab of finite thickness. Fourier Modal Method and Its Applications in Computational ... Most available books on computational electrodynamics are focused on FDTD, FEM, or other specific technique developed in microwave engineering. In contrast, Fourier Modal Method and Its Applications in Computational Nanophotonics is a complete guide to the principles and detailed mathematics of the.

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