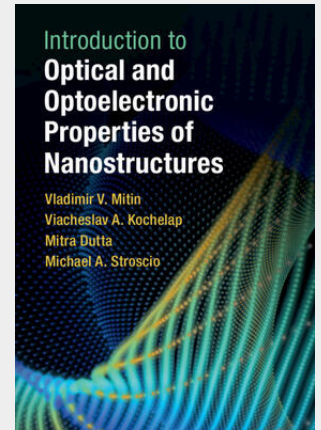


## Introduction to Optical and Optoelectronic Properties of Nanostructures

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Get to grips with the fundamental optical and optoelectronic properties of nanostructures. This comprehensive guide makes a wide variety of modern topics accessible, and includes up-to-date material on the optical properties of monolayer crystals, plasmonics, nanophotonics, UV quantum well lasers, and wide bandgap materials and heterostructures. The unified, multidisciplinary approach makes it ideal for those in disciplines spanning nanoscience, physics, materials science, and optical, electrical and mechanical engineering. Building on work first presented in Quantum Heterostructures (Cambridge, 1999), this volume draws on years of research and teaching experience. Rigorous coverage of basic principles makes it an excellent resource for senior undergraduates, and detailed mathematical derivations illuminate concepts for graduate students, researchers and professional engineers. The examples with solutions included in the text and end-of-chapter problems allows the students to use this text to enhance their understanding.



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