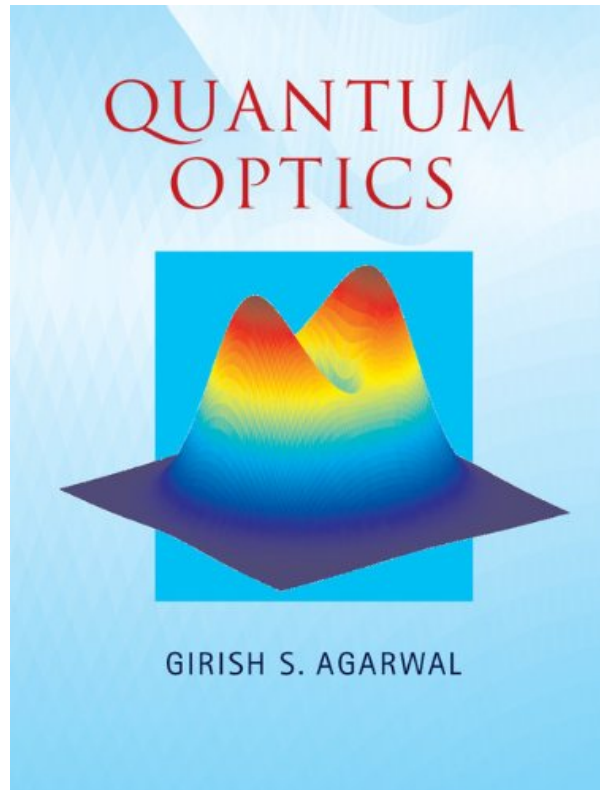


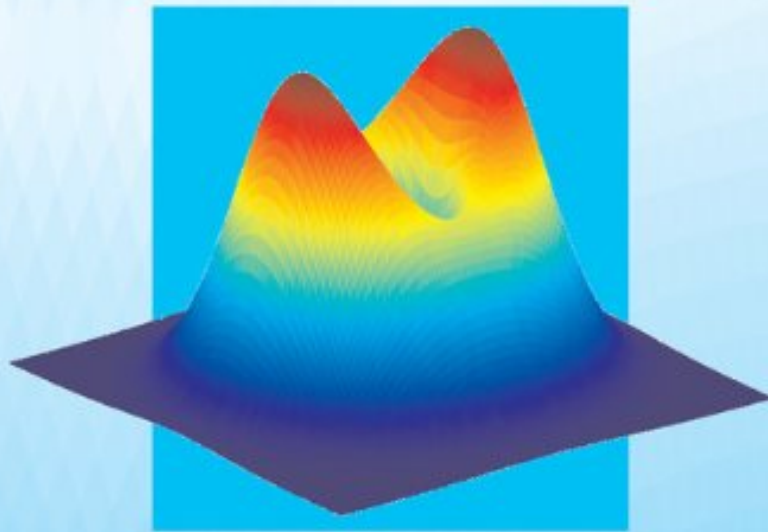
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"The reader will find this book to be an excellent, modern review of the field of quantum optics and its applications. It is written for graduate students with a strong background in quantum mechanics and classical electrodynamics. If you studied quantum optics more than a decade ago, it is a must-read to refresh your knowledge of this rapidly advancing field. Early on, the author presents quantized radiation fields and later moves to the interactions of radiation and matter. Its value as a textbook is enhanced by the inclusion of exercises and solutions, references and an index. The inexperienced reader may find the concise exposition somewhat daunting, but those with more advanced knowledge will find exciting modern developments that can be incorporated into new devices and techniques."

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"The amount of material the author covers is breathtaking. There is hardly any subject in modern quantum optics that is not covered in this book. His language is clear and precise, and the text is enriched with many figures and graphs of good quality. Working through this book will be the ideal preparation to start with a research project in the field. For experimental physicists who hope to get a better theoretical understanding of their laboratory work, this book will definitely be a challenge (though certainly not of the kind that cannot be mastered). I recommend it to anyone with a serious interest in one of the most fascinating branches of modern physics."

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About the Author

Girish S. Agarwal is Noble Foundation Chair and Regents Professor at Oklahoma State University. A recognised leader in the field of theoretical quantum optics, he is a fellow of the Royal Society, UK and has won several awards, including the Max-Born Prize from the Optical Society of America and the Humboldt Research Award.

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