

Cambridge Studies in Modern Optics

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Fabry-Perot Interferometers

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Resumo de Fabry-Perot Interferometers

This book describes the Fabry-Perot interferometer and its variants as well as its use, optimisation and applications. The author begins with an historical perspective on the development of the instrument.

Because of the quantitative uses of the device, the text tends to be mostly mathematical in its treatment. However, there is also much practical detail on the use and optimization of the Fabry-Perot interferometer and discussion of its classical uses (such as in metrology) and its contemporary applications (such as in lasers).

In addition the book contains a comprehensive bibliography summarizing the extensive literature on the subject. This book will appeal both to high-resolution practitioners, such as spectroscopists, and to the laser community, since the Fabry-Perot is not only an integral part of the laser but is also used to characterize its optical and spectroscopic behaviour.

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