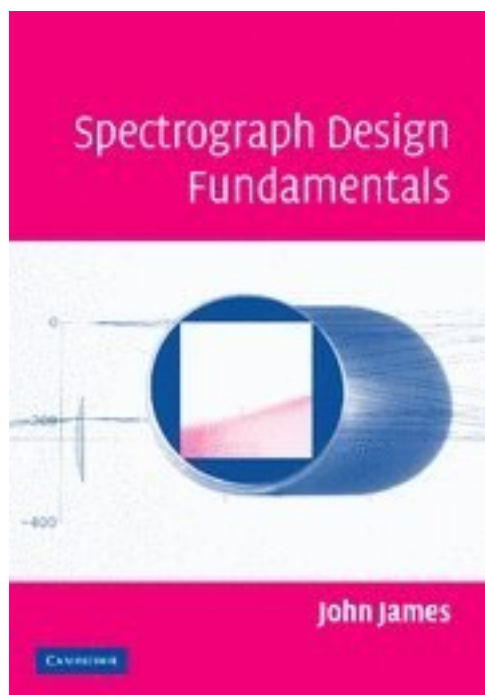


Spectrograph Design Fundamentals



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This book was first published in 2007, a time of enormous change in the field of optical spectrometry. Although the basic optical principles remained unchanged, the design considerations were very different and, in many cases, more demanding. Developments in computer ray-tracing and computer-aided design coped with the extra impositions and allowed the construction of a new generation of spectrographs. The book covers the general principles of spectrographic design at the time, and the practical and engineering aspects of a broad range of spectrographs and spectrometers. The book deals with materials and methods of construction and includes suggestions for the choice of optical table, the design of slit mechanisms, and adjustable mirror, grating and lens mounts, with suggestions for the alignment and

calibration of the finished instrument.

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