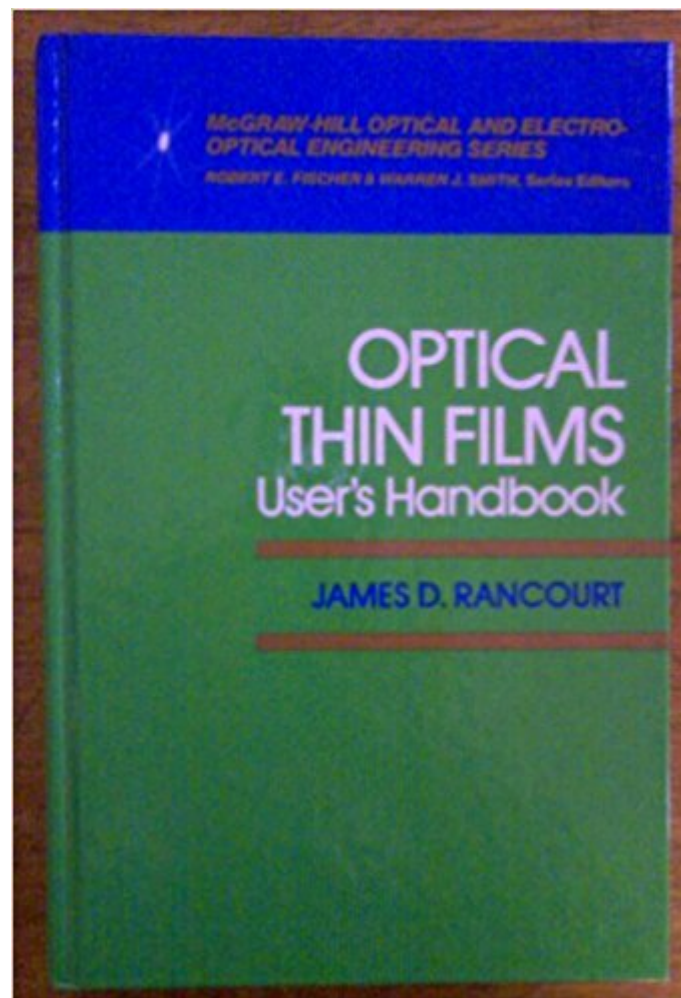




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Optical Thin Films: User's Handbook (Macmillan Series In Optical And Electro-Optical Engineering)



Synopsis

Practical, user-oriented reference for engineers who must incorporate and specify coatings for filters, antiglare effects, polarization, or other purposes in optical or electro-optical systems design. It focuses on preparation techniques and characteristics of commercially available products and provides information needed to determine what type of filter is needed to solve a particular problem, what its limitations are, and how to care for it.

Contents - Preface - Introduction to Optical Thin Films - Deposition Technology - Performance of Optical Filters - Designs Types - Filter Performance and Measurements - Substrates and Materials - Future Prospects - Appendix A: How to Specify Optical Filters - Appendix B: Selected United States Military Specifications that Relate to Thin Film Optical Filters - Appendix C: Basic Program to Calculate Thin Film Filter Performance - References - Index

--This text refers to the Paperback edition.

Book Information

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Customer Reviews

"Provides a unique combination of information that is of tremendous use for those who specify, buy, and use thin films." --Robert Shannon, Optical Sciences Center, Univ. of Arizona --This text refers to the Paperback edition.

James D. Rancourt, Ph.D., is director of product development at Precision Optics Corp. He received his Ph.D. from the University of Arizona and his M.S. from Carnegie Mellon University. He is the

author of numerous scientific articles. --This text refers to the Paperback edition.

I particularly liked this book. However the basic program in the appendix did not give me meaningful results. Probably because of my using units that are not the ones for the program. What units are they using? An example with the program would be of great help.

I bought a used copy of Optical Thin Films at a book show for \$ 1. I would say that one dollar is about the fair price for Rancourt's book. It gives very little insight into the design of optical filters, and the discussion of technology was dated even at the time of publishing (1987); thirteen years later, the book borders on Cro-Magnon. Instead, I'm "chomping at the bit" to get Angus Macleod's latest version of his old workhorse, Thin Film Optical Filters, due out any day now.

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