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Geometric Optics
Introduction

This is a video presentation of geometric optics for ophthalmologists. There is a brief outline, a more detailed outline, a preview, and a nine-part video totaling less than two hours.

I hope you will find that having audio explanation accompany visual constructions makes it easy to have a clear understanding of this elegant and practical subject. Then you should be well prepared to study general physical optics, optics of the eye, and correction of ametropia. You might also venture into more technical optics; the approach here is as non-mathematical as possible. Although I wrote parts of the current AAO BCSC Section 3, Clinical Optics, this video doesn't correspond to that book's coverage of this subject.

Marilyn Blockus and I did our PhD's in pure mathematics together. I have her, a great friend and math professor, to thank for many corrections of the video. I am grateful also to Dr. Scott Brodie for edits and Sarah Page of AAO for her fine work.

I practice in Baltimore and am part-time at the Wilmer Eye Institute, where I have enjoyed valuable discussions over the years with Dr. David Guyton, co-author of Ophthalmic Optics and Clinical Refraction, 1999 Prism Press.

I would certainly like to hear from you – let me know whether this is worthwhile. I hope so!

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