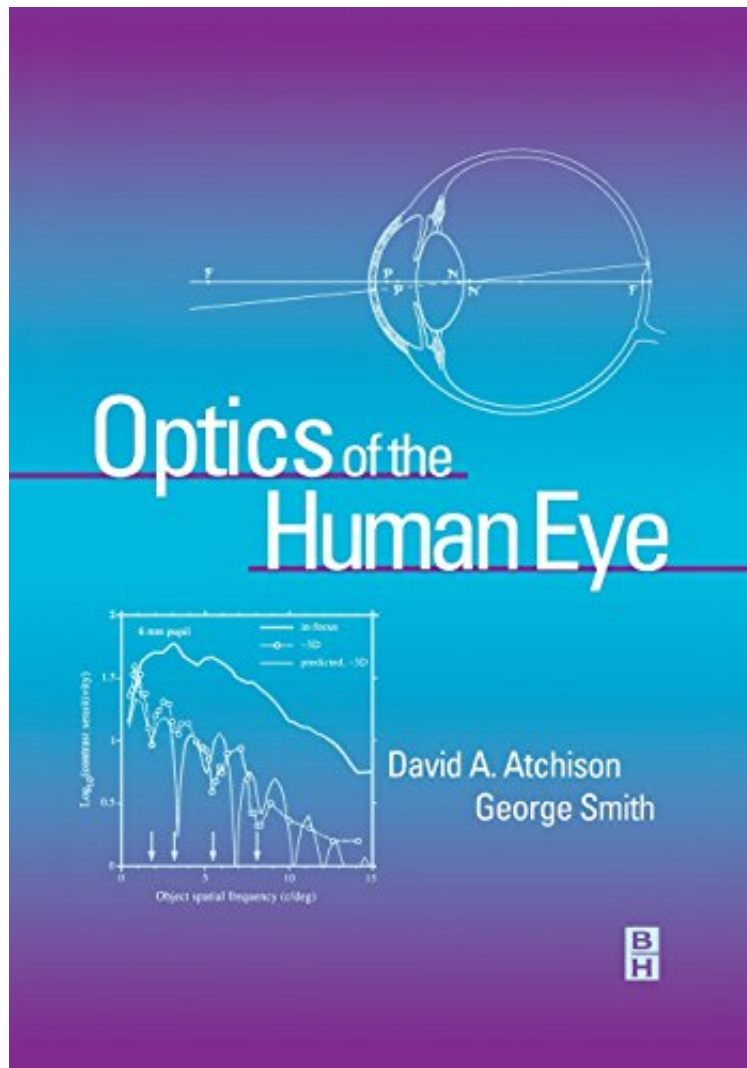


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Optics of the Human Eye, 1e

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The book is divided into a number of short chapters with each chapter dedicated to a single theme. For ease of reference, the most commonly useful topics are at the beginning and topics with narrower appeal, such as ocular aberrations, are placed towards the end. The book is divided into 5 sections, covering:* basic optical structure of the

human eye* image formation and refraction of the eye (including refractive errors of the eye, measurement and correction) * interactions between light and the eye, considering transmission, reflection and scatter in the media of the eye and at the fundus* aberrations and retinal image quality* depth of field topics and age related changes in the optics of the eyeThe book concludes with 4 appendices, covering mathematics relating to paraxial optics, aberrations theory and image quality criteria and construction data, optical parameters and the aberrations of a number of schematic eyes.* A primer for all students of optometry and vision sciences covering optics of the normal eye and introducing them to refractive problems * * Presented in a clear and succinct style with a friendly approach, this book provides and up-to-date coverage of the aberrations and image quality of the eye

"...here is an excellent reference text for visual scientists, optical manufacturers and designers of devices for visual observation" Professor Robert Fletcher, Optical Practitioner, September 2000