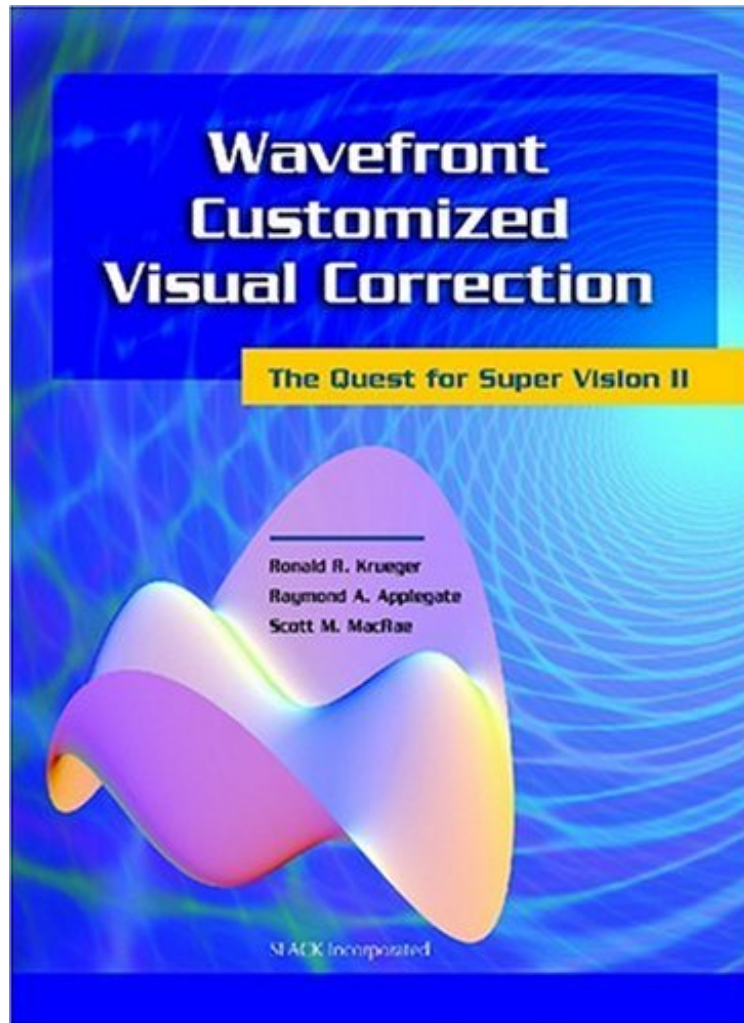


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A new paradigm in ophthalmology has been introduced with the widespread clinical application of ocular wavefront sensing and customized corneal correction. No longer is the science of aberrations confined to the scientist and physicist. It has now entered the world of the physician and surgeon, and with that the world of every eyecare

professional, and the patients they serve. Recognized as the premier source on wavefront correction, Wavefront Customized Visual Correction: The Quest for Super Vision II details the latest advancements in wavefront-guided ophthalmic corrections poised to revolutionize eye care. A complete revision to the best-selling Customized Corneal Ablation: The Quest for Super Vision, this "wavefront bible" incorporates additional forms of customized diagnosis and correction, including intraocular lens correction, presbyopic issues, and contact lenses. A critical section on advanced wavefront diagnostics and standards has also been rewritten and expanded to account for the latest breakthroughs, properly educating eyecare professionals about this innovative technology. Wavefront Customized Visual Correction has opened the door to a world of future possibilities on the application of wavefront technology to the eye and will remain the most comprehensive single source on wavefront and customized visual correction. New Topics Include: Significant clinical trial results on customized ablation (from the US FDA and international studies) Basic and advanced wavefront diagnostics and interpretation. Basic science of wavefront sensing and principles of wavefront sensing devices. Advanced customization in presbyopic correction. Wavefront customized lenses including IOLs and contact lenses. Metrics of optical quality. Chapter Features: Over 450 figures, illustrations, and tables. Special sections are included that highlight and simplify the most critical points throughout the text. Editor comments that examine "difficult" concepts in selected chapters. Reference listing of essential peer review articles.