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| Nota di bibliografia | Includes bibliographical references (p. 113-123) and index. |
| Nota di contenuto | Acknowledgements; Preface; Contents; Introduction; Basic Anatomy and Physiology of Eye Movements; Basic Measurement Terms; Basic Control System Concepts; Eye Movement Measurement Techniques; Static Analysis Techniques; Accommodation System; Vergence System; Linear Analysis of Relationship Between AC and ACG; Nonlinear Analysis of AC/A Using the Phoria and Fixation Disparity Methods; Proximal Model; Sensitivity Analysis of Accommodation and Vergence Interactions; Dynamic Analysis Techniques; Main Sequence; Accommodation System - Root Locus Analysis; Vergence Dual-Mode Dynamic Model Accommodative Dual-Mode Dynamic Characteristics Adaptation Model of Accommodation and Vergence; Nearwork-Induced Transient Myopia (NITM) Model; Refractive Error Development Model; Saccade-Vergence Interactions Dynamic Model; Summary Remarks; References; Index |
| Sommario/riassunto | This monograph is a structured review of models of oculomotor control systems that is geared toward biomedical engineers, vision scientists, and optometry students. It aims to provide the biomedical engineer with a thorough understanding of how various engineering control principles are applied to oculomotor systems, and the non-engineer with knowledge of how various physiological and clinical concepts can be represented quantitatively and efficiently by control system models. |

Basic control system concepts and oculomotor physiology are first introduced, along with a glossary, to provide backgro
