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Nota di contenuto	Emergent Techniques for Assessment of Visual Performance -- Copyright -- PREFACE -- Contents -- INTRODUCTION -- CONTRAST SENSITIVITY FUNCTION -- DARK-FOCUS: ANOMALOUS REFRACTIVE ERRORS AND ACCOMMODATION -- DYNAMIC MEASURES -- TWO MODES OF VISUAL PROCESSING -- SUMMARY RECOMMENDATIONS -- APPENDIX A: BASIC FACTORS IN SPATIAL CONTRAST SENSITIVITY -- APPENDIX B: DETECTION SENSITIVITY AND RESPONSE BIAS -- APPENDIX C: BASIC CONCEPTS IN FOURIER ANALYSIS -- APPENDIX D: THE USE OF TESTS FOR SCREENING AND SELECTION -- REFERENCES.
Sommario/riassunto	Recent vision research has led to the emergence of new techniques that offer exciting potential for a more complete assessment of vision in clinical, industrial, and military settings. Emergent Techniques for Assessment of Visual Performance examines four areas of vision testing that offer potential for improved assessment of visual capability including: contrast sensitivity function, dark-focus of accommodation, dynamic visual acuity and dynamic depth tracking, and ambient and

focal vision. In contrast to studies of accepted practices, this report focuses on emerging techniques that could help determine whether people have the vision necessary to do their jobs. In addition to examining some of these emerging techniques, the report identifies their usefulness in predicting performance on other visual and visual-motor tasks, and makes recommendations for future research. Emergent Techniques for Assessment of Visual Performance provides summary recommendations for research that will have significant value and policy implications for the next 5 to 10 years. The content and conclusions of this report can serve as a useful resource for those responsible for screening industrial and military visual function.
