

Curriculum Vitae

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Degrees:

B. A., Physics, Pomona College, Claremont, California, 1971.
Ph.D., Biopsychology, University of Chicago, Chicago, Illinois, 1985.

Present Position:

Associate Professor, The Ohio State University, Mansfield, Ohio.

Membership in Professional Societies:

Association for Research in Vision and Ophthalmology
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Research Support:

The role of spatiotemporal pooling in motion perception. National Science Foundation #SRB-9514522. \$296,000. 09/96 - 08/00.

Motion based image segmentation. Coinvestigator (with Deliang Wang). OSU Interdisciplinary seed grant program. \$100,000. 1997-1999.

The detection and segmentation of motion. CoPI (with James T. Todd) National Science Foundation (NSF BCS-007-9277), \$211,167. 08/00 - 07/03.

Emergence and early development of stereopsis in infants. CoPI (with Angela M. Brown). National Science Foundation (NSF BCS-9983465), \$300,197. 08/00 - 07/05

Visual Assessment of Color Difference. Coinvestigator (with Alvin Wee) National Eye Institute, National Institutes of Health (R15-EY013527), \$100,000. 06/02 - 05/05

Infant color categories. Coinvestigator (with Angela Brown). National Eye Institute, National Institutes of Health (R21-EY018321-01), \$275,000. 09/07 - 08/09.

Publications:

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- Teller, D. Y., Lindsey D. T., Mar C. M., Succop A., & Mahal M. R. (1992). Infant temporal contrast sensitivity at low temporal frequencies. *Vision Research*, **32**, 1157-1162.
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- Lindsey, D. T. & Brown A. M. (2006). Universality of color names. *Proceedings of the National Academy of Science of America*, **103**, 16608--16613.
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- Ziuchkowski, J. P., Fields, W. H., Johnston, W. M. & Lindsey, D. T. (In-Press). Assessment of perceived orthodontic appliance attractiveness. *American Journal of Othodontics and Dentofacial Orthopedics*.

Manuscripts in Preparation:

- Lindsey, D. T. & Brown, A. M. The evolution of color naming in the World Color Survey.
- Lindsey, D. T. & Wee, A. G. Assessment of tooth color differences in realistic contexts.

Abstracts:

- Lindsey, D. T. & Teller, D. Y. (1987). Invariance of MDB matches across variations in edge blur. Annual meeting of the Optical Society of America, Rochester, New York.
- Lindsey, D. T. & Teller, D. Y. (1988). Spatio-temporal phase characteristics of moving gratings synthesized from isoluminant red and green components. Annual meeting of the Association for Research in Vision and Ophthalmology, Sarasota, Florida.
- Teller, D. Y. & Lindsey, D. T. (1988). Quantitative characterization of infant isoluminance measured with moving gratings. Annual meeting of the Association for Research in Vision and Ophthalmology, Sarasota, Florida.
- Teller, D. Y. & Lindsey, D. T. (1988). OKN isoluminance points and equivalent achromatic contrasts in infants and color-normal and abnormal adults. Annual meeting of the Optical Society of America, Santa Clara, California.

- Lindsey, D. T. & Teller, D. Y. (1989). Selective losses of motion discrimination for moving isoluminant gratings. Annual meeting of the Association for Research in Vision and Ophthalmology, Sarasota, Florida.
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- Lindsey, D. T., Teller, D. Y. & Succop, A. (1990). Motion discrimination thresholds for photopically or scotopically matched backgrounds. Annual meeting of the Association for Research in Vision and Ophthalmology, Sarasota, Florida.
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- Lindsey, D. T. (1990). Are there fundamental losses of visual function at isoluminance? Annual meeting of the Optical Society of America, Boston, Massachusetts.
- Lindsey, D. T. (1990). Linear analysis of eccentricity-dependent changes in the null-based isoluminant plane. Annual meeting of the Optical Society of America, Boston, Massachusetts.
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- Nichols, M. J., Lindsey, D. T. & Sanocki, E. (1991). Determining isoluminance in naive subjects using heterochromatic modulation photometry (HMP). Annual meeting of the Optical Society of America, Santa Clara, California.
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Lindsey, D. T. & Brown, A. M. (2003). Field sensitivity curves in the isoluminant plane of DKL color space. Biennial Symposium of the International Color Vision Society.

Brown, A.M. & Lindsey, D. T. (2003). Language and color: the worldwide prevalence of Daltonism and a distinct word for “blue”. Biennial Symposium of the International Color Vision Society.

Lindsey, D. T. & Brown, A. M. (2004). Color naming and color consensus: blue is special. Annual meeting of the Vision Sciences Society, Sarasota, Florida.

Brown, A. M. & Lindsey, D. T. The color BLUE: the dictionary project. (2004). Annual meeting of the Vision Sciences Society, Sarasota, Florida.

Brown, A. M. & Miracle, J. A. & Lindsey, D. T. (2005). Psychometric functions for stereopsis in human infants. Annual meeting of the Association for Research in Vision and Ophthalmology, Ft. Lauderdale, Florida.

Lindsey, D. T. & Brown, A. M. Color name evolution in the World Color Survey. (2006). Annual meeting of the Vision Sciences Society, Sarasota, Florida.

Lindsey, D. T. & Brown, A. M. (2007). Achromatic color naming. Annual meeting of the Vision Sciences Society, Sarasota, Florida.