DESCRIPTION

Binocular vision, i.e. where both eyes are used together, is a fundamental component of human sight. It also aids hand-eye coordination, and the perception of the self within the environment. Clinical anomalies pose a wide range of problems to the sufferer, but normal binocular operation must first be understood before the eye specialist can assess and treat dysfunctions.

This is a major new textbook for students of optometry, orthoptics and ophthalmology, and also of psychology. Chapters span such key topics as binocular summation, fusion, the normal horopter, anatomy of the extra-ocular muscles, oculomotor control, binocular integration and depth perception.

Fully illustrated throughout, the book includes self-assessment exercises at the end of each chapter, and sample experiments in binocular vision functioning.

ABOUT THE AUTHOR

David Stidwill F.C.Optom., Dip. C.L.P. works in private practice and is a visiting lecturer at the Department of Vision Sciences, Aston University, Birmingham. He is Honorary Secretary of the Orthoptic and Binocular Vision Association, and is an examiner for the College of Optometrists.
Robert Fletcher M.Sc (Tech) F.C.Optom., D.Orth is Professor Emeritus in Optometry & Visual Science at City University, London.

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