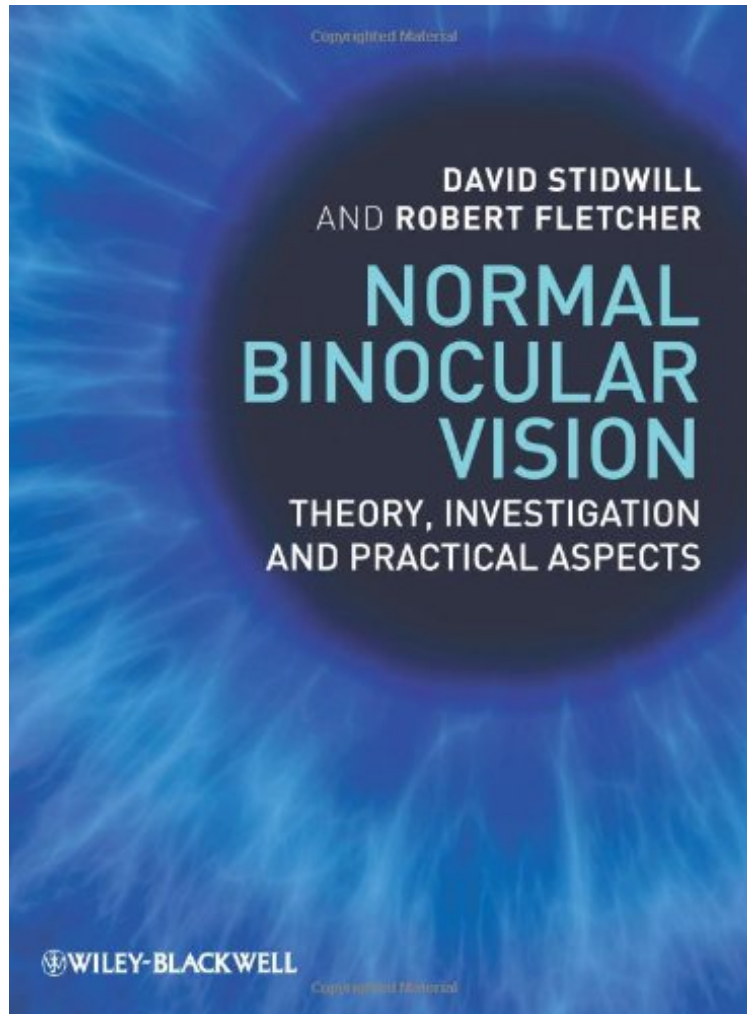


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Normal Binocular Vision: Theory, Investigation and Practical Aspects

David Stidwill, Robert Fletcher

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Binocular vision, i.e. where both eyes are used together, is a fundamental component of human sight. It also aids hand-eye co-ordination, and the perception of the self within the environment. This is a major new textbook for students of optometry, orthoptics, and ophthalmology, and also of psychology. Fully illustrated throughout, the book includes self-

assessment exercises at the end of each chapter, and sample experiments in binocular vision functioning.

"Overall, this book is admirable and largely successful in its aim of providing a manageable theoretical background for the binocular vision student or clinician, and as such I can recommend it to any optometrist who feels a little unsure or rusty in this area." (Optician, 10 February 2012)

From the Inside Flap Binocular vision, i.e. where both eyes are used together, is a fundamental component of human sight. It also aids hand-eye co-ordination, and the perception of the self within the environment. This is a major new textbook for students of optometry, orthoptics, and ophthalmology, and also of psychology. Fully illustrated throughout, the book includes self-assessment exercises at the end of each chapter, and sample experiments in binocular vision functioning.

From the Back Cover Binocular vision, i.e. where both eyes are used together, is a fundamental component of human sight. It also aids hand-eye co-ordination, 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.