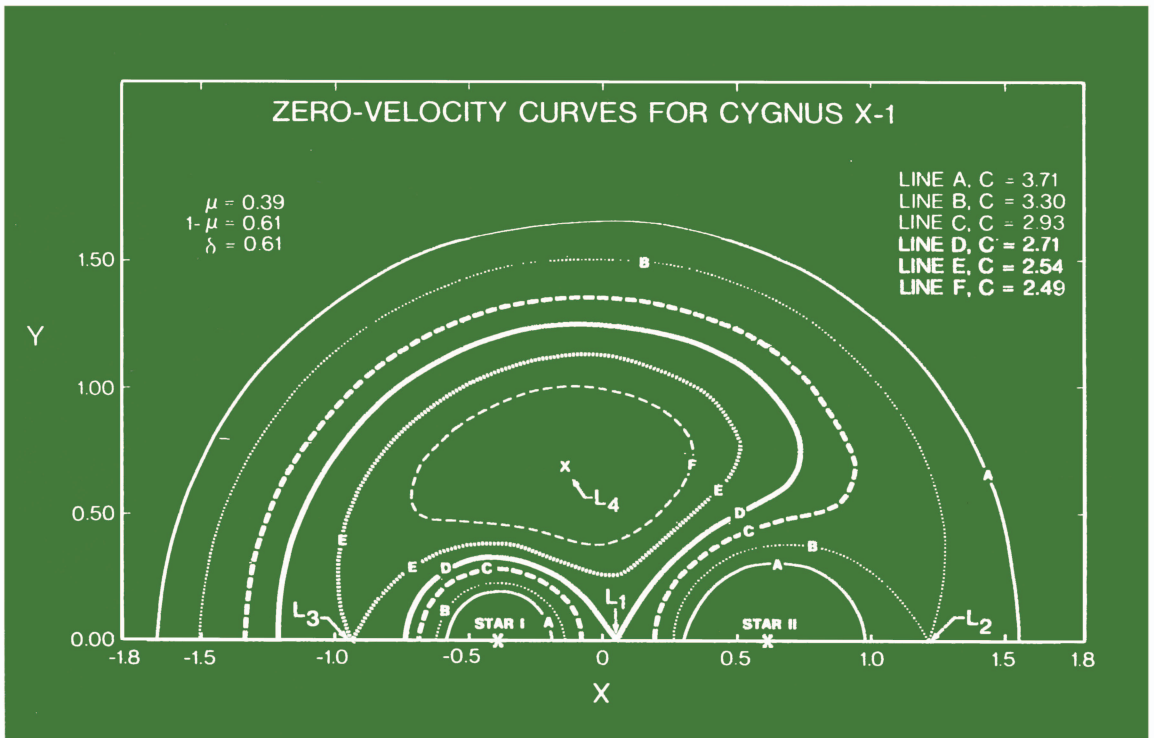


INTERNATIONAL ASTRONOMICAL UNION

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STRUCTURE AND EVOLUTION OF CLOSE BINARY SYSTEMS

Edited by P. EGGLETON, S. MITTON, and J. WHELAN



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This timely symposium was devoted to a field of study that has undergone dramatic revitalisation since the discovery that certain close binary systems are strong X-ray sources. The proceedings contain important review papers and articles that update research on close binaries and, moreover, that indicate the directions in which future advances are likely to be made. The book has many suggestions for important research problems. Major sections are devoted to (a) evolution of massive binaries, (b) the novae and dwarf novae, (c) streams, accretion discs, and Algol-like systems, and (d) contact binary systems and the origin of binaries. Outstanding review papers by B. Warner (Dwarf novae observations), G. T. Bath (Theory of dwarf novae), R. E. Wilson (Black holes), S. Starrfield (Nova explosions), M. Rees (Review of accretion disc problems), and J. Pringle (Close binaries) make this volume essential reading for binary star and variable star enthusiasts.

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