

This book contains the complete review articles and many of the contributed papers presented at the IAU colloquium on Cepheid Variables, held in Toronto, Canada in May 1984. The excellent, invited, reviews comprehensively cover the theory of cepheid pulsation mechanisms and the status of cepheid variables in terms of modern stellar evolution. Double-mode cepheids, population 11 cepheids and cepheids in external galaxies are all discussed thoroughly, including the fundamental properties of these most useful and well understood variable stars. This up-to-date volume reflects our current state of knowledge on the subject of cepheid variable stars and is suitable both for graduate students and as an overview for professionals in the field.

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