

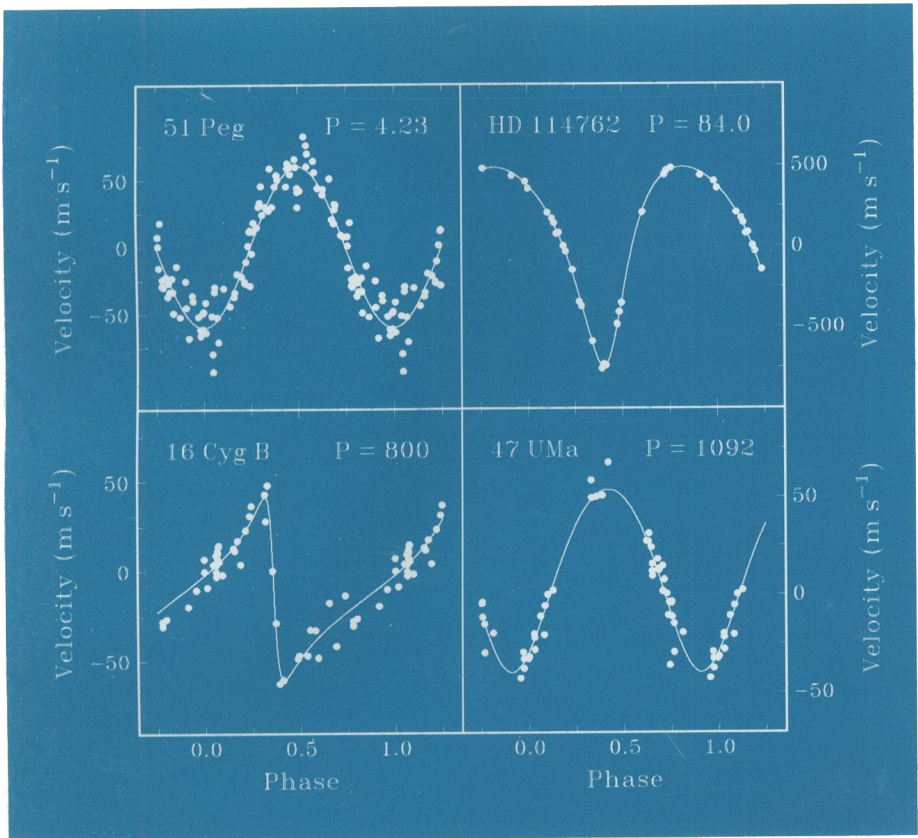
INTERNATIONAL ASTRONOMICAL UNION

# HIGHLIGHTS OF ASTRONOMY

VOLUME 11A

*As presented at the XXIIIrd General Assembly  
of the IAU, 1997*

Edited by J. ANDERSEN



INTERNATIONAL ASTRONOMICAL UNION

KLUWER ACADEMIC PUBLISHERS

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Since 1967, the main scientific events of the General Assemblies of the International Astronomical Union have been published in the separate series, *Highlights of Astronomy*. The present Vol. 11 presents the major scientific presentations made at the XXIIIrd General Assembly, August 18–30, 1997, in Kyoto, Japan. The two volumes (11A + B) contain the text of the three Invited Discourses as well as the proceedings or extended summaries of the 21 Joint Discussions and two Special Sessions held during the General Assembly.

#### *Cover image:*

Spectroscopic orbits of four of the first stars discovered to have companions of likely planetary mass, illustrating the range in periods (days) and orbital shapes. References, in order of discovery: HD 114762 (Latham et al., *Nature* **339**, 38, 1989), 51 Peg (Mayor & Queloz, *Nature* **378**, 355, 1995), 47 UMa (Butler & Marcy, *ApJ* **464**, L163, 1996), and 16 Cyg B (Cochran et al., *ApJ* **483**, 457, 1996). The data plotted here were kindly provided by Drs. M. Mayor (51 Peg) and G. Marcy (three other stars).

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INTERNATIONAL ASTRONOMICAL UNION  
UNION ASTRONOMIQUE INTERNATIONALE

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EDITED BY

J. ANDERSEN

*General Secretary of the Union*



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