HaTr 4 — A Kinematical Study

Amy Tyndall

Jodrell Bank Centre for Astrophysics, Alan Turing Building, School of Physics and Astronomy, University of Manchester, Oxford Road, Manchester, M13 9PL, UK

D. Jones, M. Lloyd, T.J. O'Brien, D.L. Pollacco, D.L. Mitchell

HaTr 4 is a compact planetary nebula, known to contain a close binary central star. Using high spectral and spatial resolution position-velocity arrays in the emission lines of [O III] 5007Å, H α and [N II] 6584Å, we show that the nebula comprises a bright waist with two faint, extended lobes and is oriented with its symmetry axis close to the plane of the sky.

