

Abstract Submitted  
for the 4CF17 Meeting of  
The American Physical Society

**Speckle Interferometric Observation of WDS 14564+8503<sup>1</sup>**

STEPHEN WHITE, New Mexico Tech, PAIGE BENSON, SEPEHR FARD, GEZAL BAHMANI, ALEXANDER BELTZER-SWEENEY, IRENA STOJIMIROVIC, San Diego Mesa College, RICHARD HARSHAW, Brilliant Sky Observatory, GRADY BOYCE, PAT BOYCE, Boyce Research Initiatives and Educational Foundation — Speckle interferometric observations of the tertiary system WDS 14564+8503 were made in order to measure the position angle ( $\theta$ ) and separation ( $\rho$ ) of the AB component, and were found to be  $291.5160.098^\circ$  and  $3.433'' \pm 0.010''$ , respectively. The measurements showed a continuation of the linear motion trend, but were inconclusive in confirming whether or not the AB component is gravitationally bound.

<sup>1</sup>The authors would like to thank the Boyce Research Initiative and Educational Foundation for funding this research.

Stephen White  
New Mexico Tech

Date submitted: 11 Sep 2017

Electronic form version 1.4