

Abstract Submitted
for the 4CF07 Meeting of
The American Physical Society

Development of a Method for Calculating Delta Scuti Rotational Velocities and Hydrogen-Beta Color Indices TABITHA BUSH, ERIC HINTZ, Brigham Young University — To add to the understanding of the structure and evolution of Delta Scuti stars, 167 delta Scutis north of -01 degrees declination and brighter than 13th magnitude have been observed spectroscopically. A method for calculating rotational velocity values and hydrogen-beta color indices for the stars in the data set with no previously published values is developed, using the stars in the data set brighter than 7th magnitude. Rotational velocity values for four stars with previously unknown values and hydrogen-beta index values for five stars with previously unknown values are calculated.

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Date submitted: 11 Sep 2007

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