

Abstract Submitted  
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**Characterization of a Partially-Stabilized Frequency Comb<sup>1</sup>** M. E. GOLD DAHL, SCOTT BERGESON, Brigham Young University — We present measurements of the frequency interval between the Rb and the Cs D2 transitions. This interval is measured using a partially stabilized frequency comb, and the results are used to characterize the comb's accuracy. I will present an overview of the comb, the method we use to stabilize it, and our measurement methods. We measure the 32 THz interval with a precision of 0.15 MHz (4 parts per billion).

<sup>1</sup>Characterization of a Partially-Stabilized Frequency Comb

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