

Abstract Submitted
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Wavelength Detection from Filtered Photodiodes NILS OTTERSTROM, Brigham Young University, ATOM INTERFEROMETRY COLLABORATION¹ — Filtered photodiodes coupled with developed algorithm reveal potential as inexpensive wavelength meter. Externally timed integration with microprocessor allows variable integration lengths and exports data through USB. Algorithm compares data to calibrated intensity curves and minimizes error to compute wavelength.

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