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A color sensor wavelength meter[1] DALLIN DURFEE, JAROM JACKSON, NILS OTTERSTROM, TYLER JONES, JAMES ARCHIBALD, Brigham Young University — We will discuss a laser wavelength meter based on a commercial color sensor chip consisting of an array of photodiodes with different absorptive color filters. By comparing the relative amplitudes of light on the photodiodes, the wavelength of light can be determined with picometer-level precision and with picometer-scale calibration drift over a period longer than a month.

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