

Summary: Picodriftmeter en verplaatsingsinterferometrie

*Publications:*

Ellis, JD, Joo, K, Buice, ES, and Spronck, JW. Frequency stabilized three mode HeNe laser using nonlinear optical phenomena, *Optics Express* 2010; 18(2): pp. 1373–1379.

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Joo K, Ellis JD, Spronck JW, and Munnig Schmidt RH. Design of a folded, multi-pass Fabry-Perot interferometer using a He-Ne laser for displacement metrology (Technical Design Note), *Measurement Science & Technology* 2009;20(10): 107001 (5pp).

Ellis JD, Joo K, Spronck JW, and Munnig Schmidt RH. Balanced interferometric system for stability measurements, *Applied Optics* 2009;48(9): pp. 1733–1740.

Joo K, Ellis JD, Spronck JW, van Kan PJM, and Munnig Schmidt RH. A simple heterodyne laser interferometer with sub-nm periodic errors, *Optics Letters* 2009;34(3): pp. 386–388.

Conference Proceedings:

Joo K, Ellis JD, Buice ES, Spronck JW, Munnig Schmidt RH. A novel heterodyne displacement interferometer with no detectable periodic nonlinearity and optical resolution doubling, proceedings of the 10th euspen international conference, 31 May - 3 Jun 2010, Delft, The Netherlands; 2010.

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Ellis JD, Joo K, Buice ES, Spronck JW, Munnig Schmidt RH. Magnetic field effects on the secondary beat frequency profile for three mode HeNe laser stabilization, proceedings of the 24th ASPE Annual Meeting, 4-9 Oct 2009, Monterey CA, USA; 2009.

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Joo K, Ellis JD, Spronck JW, and Munnig Schmidt RH. Wavelength corrected, non-polarizing heterodyne laser interferometry in air, proceedings of the 9th euspen international conference, 2-5 Jun 2009, San Sebastian, Spain; 2009

Ellis JD, Joo K, Verlaan A, Spronck JW, Munnig Schmidt RH. Uncertainty considerations for interferometric stability testing, proceedings of the 23rd ASPE Annual Meeting, 19-23 Oct 2008, Portland, OR, USA; 2008.

Ellis JD, Hatzigeorgopoulos JH, Spronck JW, Munnig Schmidt RH. Optically balanced, multi-pass displacement interferometry for picometer stability testing, proceedings of the 22nd ASPE Annual Meeting, 14-19 Oct 2007, Dallas, TX, USA; 2007.

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