

Recent Publications of the CSIR-NML for Acoustics and Vibration

1. N.Brown, E. Jaatinen, H.Suh, E. Howick, G. Xu, C.S.Veldman and J-M Chartier, International comparison of HeNe lasers stabilized with $^{127}\text{I}_2$ at $\lambda \approx 633$ nm. Part V, Metrologia, 2000, 37, 107-113.
2. Veldman C.S. , A novel PC based implementation of the sine-approximation method of ISO 16063-11
3. Veldman C.S., A Novel Implementation of the Sine-Approximation Method for Primary Vibration calibration by laser interferometry, SPIE vol 4827.
4. Report on key comparison CCAUV.A-K1, Metrologia, 2003, 40, Tech. Suppl., 09002
5. Report on key comparison CCAUV.V-K1, Metrologia, 2003, 40, Tech. Suppl., 09001
6. Moodley S.S., van den Berg W. and Veldman C.S., Improving the Mechanical Stability of a Standard Capacitor, IEEE Transactions on Instrumentation and Measurement, April 2003, vol 52.
7. Veldman C.S., "A novel implementation of an ISO standard for primary vibration calibration by laser interferometer", Metrologia 40 (2003), pp. 1-8.
8. Veldman C.S., Von Martens H,-J, Phase calibration of laboratory standard accelerometers using laser interferometry, SPIE vol 5503
9. Veldman C.S., Von Martens H,-J, Final report on supplementary comparison SADC MET.AUV.V-S1, Metrologia, 2004, 41, Tech. Suppl., 09001
10. Veldman C.S., The estimation of uncertainties in phase shift measurements using homodyne laser interferometry, SPIE vol 6345, 634502-1 - 634502-8.
11. Veldman C.S., ISO 16063; A Comprehensive set of Vibration and Shock Calibration Standards, IMEKO, 2006