







FIG Working Week 2011 Bridging the Gap between Cultures Marrakech, Morocco, 18-22 May 2011





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Additional error sources **Calibration Bench** Research topic • Influence of atmospheric conditions: temperature, -Error Sources air pressure and humidity Methodology - Beam alignment - High accuracy atmospheric measurements - Software settings with sensors attached to the rail - Addition Constant - Principles of - Lower accuracy atmospheric measurements in Measurement - Computations the lab with Weather station Nexus Pro 2009 Results **Dead path error** Vertical Offset Lateral Offset **Cosine error** Roll Abbe error Instability of the laserbeam



















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