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标题: Laboratory demonstrations of interferometric and spotlight synthetic aperture ladar techniques
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摘要: A variety of synthetic-aperture ladar (SAL) imaging techniques are investigated on a table-top laboratory setup using an ultra-broad bandwidth (> 3 THz) actively linearized chirp laser centered at 1.55 microns. Stripmap and spotlight mode demonstrations of SAL in monstatic and bistatic geometries are presented. Interferometric SAL for 3D topographical relief imaging is demonstrated highlighting the coherent properties of the SAL imaging technique. (C) 2012 Optical Society of America
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