





















- [4] Lei S, Zhang S. Flexible 3-D shape measurement using projector defocusing[J]. *Opt Lett*, 2009, 34(20): 3080-3082.
- [5] Lei S, Zhang S. Digital sinusoidal fringe pattern generation: defocusing binary patterns VS focusing sinusoidal patterns[J]. *Opt Laser Eng*, 2010, 48(4): 561-569.
- [6] Xu Y, Ekstrand L, Dai J, Zhang S. Phase error compensation for three-dimensional shape measurement with projector defocusing. *Appl Opt*, 2011, 50(17): 2572-2581.
- [7] Ayubi GA, Ayubi JA, Martino JMD, Ferrai JA. Pulse-width modulation in defocused 3-D fringe projection[J]. *Opt Lett*, 2010, 35: 3682-3684.
- [8] Fujiata H, Yamamoto M, Otani Y, Suguro A, Morokawa S. Three-dimensional profilometry using liquid crystal grating[C]. In: *Proceedings of the SPIE*, vol. 5058. Beijing, China, 2003, 51-60.
- [9] Yoshizawa T, Fujita H. Liquid crystal gratings for profilometry using structured light[C]. In: *Proceedings of the SPIE*, vol. 6000, Boston, MA, 2005, 60,000H1.
- [10] Wang Y, Zhang S. Optimum pulse width modulation for sinusoidal fringe generation with projector defocusing[J]. *Opt Lett*, 2010, 35(24): 4121-4123.
- [11] Zuo C, Chen Q, Feng F, Gu G, Sui X. Optimized pulse width modulation pattern strategy for three-dimensional profilometry with projector defocusing[J]. *Appl Opt*, 2012, 51(19): 4477-4490.
- [12] Wang Y, Zhang S. Comparison among square binary, sinusoidal pulse width modulation, optimal pulse width modulation methods for three-dimensional shape measurement[J]. *Appl Opt*, 2012, 51(7): 861- 872.
- [13] Purgathofer W, Tobler R, and Geiler M. Forced random dithering: improved threshold matrices for ordered dithering[C]. *IEEE International Conference on Image Processing*, 1994, 2: 1032-1035.
- [14] Bayer B. An optimum method for two-level rendition of continuous-tone pictures[C]. *IEEE International Conference on Communications*, 1973, 1: 11-15.
- [15] Kite TD, Evans BL, and Bovik AC. Modeling and quality assessment of Halftoning by error diffusion[C]. *IEEE International Conference on Image Processing*, 2000, 9(5): 909-922.
- [16] Wang Y, Zhang S. Three-dimensional shape measurement with binary dithered patterns[J]. *Appl Opt*, 2012, 51(27):6631-6636.
- [17] Lohry W, Zhang S. Genetic method to optimize binary dithering technique for high-quality fringe generation[J]. *Opt Lett*, 2013, 38(4):540-542.
- [18] Dai J, Zhang S. Phase-optimized dithering technique for high-quality 3D shape measurement[J]. *Opt Laser Eng*, 2013, 51(6):790-795.