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标题: Spatial dispersion in three-dimensional drawn magnetic metamaterials

作者: Tuniz, A (Tuniz, Alessandro); Pope, B (Pope, Benjamin); Wang, A (Wang, Anna); Large, MCJ (Large, Maryanne C. J.); Atakaramians, S (Atakaramians, Shaghik); Min, SS (Min, Seong-Sik); Pogson, EM (Pogson, Elise M.); Lewis, RA (Lewis, Roger A.); Bendavid, A (Bendavid, Avi); Argyros, A (Argyros, Alexander); Fleming, SC (Fleming, Simon C.); Kuhlme, BT (Kuhlme, Boris T.)

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摘要: We characterize spatial dispersion in longitudinally invariant drawn metamaterials with a magnetic response at terahertz frequencies, whereby a change in the angle of the incident field produces a shift in the resonant frequency. We present a simple analytical model to predict this shift. We also demonstrate that the spatial dispersion is eliminated by breaking the longitudinal invariance using laser ablation. The experimental results are in agreement with numerical simulations. (c) 2012 Optical Society of America

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[Pogson, Elise M.; Lewis, Roger A.] Univ Wollongong, Sch Engn Phys, Wollongong, NSW 2522, Australia

[Bendavid, Avi] Commonwealth Sci & Ind Res Org, Mat Sci & Engn, Sydney, NSW 2070, Australia

通讯作者地址: Tuniz, A (通讯作者),Univ Sydney, IPOS, Sch Phys, Sydney, NSW 2006, Australia

电子邮件地址: alessandro.tuniz@sydney.edu.au

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