also obtained from the gyrotropy action Eq. (5). Thus, now both derivations of boundary conditions Eq.(1) yield the same result leading to the absence of the Kerr rotation at light reflection from media with broken space inversion. On the contrary the Kerr effect arises at reflection from media with broken time inversion. So, to explain the Kerr effect observation in high-T_c cuprates (see numerous references and discussion in the paper[3]) one must to apply more efforts.

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[1] V. P. Mineev and Y. Yoshioka, Phys. Rev. B **81**, 094525 (2010).
[2] V. P. Mineev, Phys. Rev. B **88**, 134514 (2013).
[3] P. Hosur, A. Kapitulnik, S. A. Kivelson, J. Orenstein, and S. Raghu, Phys. Rev. B **87**, 115116 (2013).
[4] J. Orenstein and Joel E. Moore, Phys. Rev. B **87**, 165110 (2013).
[5] S. S. Pershiguba, K. Keshedzhi, and V. Yakovenko, Phys. Rev. Lett. **111**, 047005 (2013).
[6] A. R. Bungay, Yu. P. Swirko, and N. I. Zheludev, Phys. Rev. B —bf 47, 11730 (1993).