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[1] G. G. Kozlov, I. I. Ryzhov, A. Tzimis, Z. Hatzopoulos, P. G. Savvidis, A. V. Kavokin, M. Bayer, and V. S. Zapasskii, Hidden polarization of unpolarized light, Phys. Rev. A **98**, 043810 (2018).

[2] M. Y. Petrov, A. N. Kamenskii, V. S. Zapasskii, M. Bayer, and A. Greilich, Increased sensitivity of spin noise spectroscopy using homodyne detection in n-doped GaAs, Phys. Rev. B **97**, 125202 (2018).

[3] M. Y. Petrov, I. I. Ryzhov, D. S. Smirnov, L. Y. Belyaev, R. A. Potekhin, M. M. Glazov, V. N. Kulyasov, G. G. Kozlov, E. B. Aleksandrov, and V. S. Zapasskii, Homogenization of doppler broadening in spin-noise spectroscopy, Phys. Rev. A **97**, 032502 (2018).

[4] G. G. Kozlov, V. S. Zapasskii, and P. Y. Shapochkin, Heterodyne detection of scattered light: application to mapping and tomography of optically inhomogeneous media, Appl. Opt. **57**, B170 (2018).

[5] G. G. Kozlov, I. I. Ryzhov, and V. S. Zapasskii, Spin-noise spectroscopy of randomly moving spins in the model of light scattering: Two-beam arrangement, Phys. Rev. A **97**, 013848 (2018).

[6] M. Vladimirova, S. Cronenberger, D. Scalbert, I. I. Ryzhov, V. S. Zapasskii, G. G. Kozlov, A. Lemaître, and K. V. Kavokin, Spin temperature concept verified by optical magnetometry of nuclear spins, Phys. Rev. B **97**, 041301 (2018).

[7] V. S. Zapasskii and G. G. Kozlov, Evolution in the optical detection of magnetization, Physics-Uspekhi **60**, 628 (2017).

[8] G. G. Kozlov, I. I. Ryzhov, and V. S. Zapasskii, Light scattering in a medium with fluctuating gyrotropy: Application to spin-noise spectroscopy, Phys. Rev. A **95**, 043810 (2017).

[9] I. I. Ryzhov, G. G. Kozlov, D. S. Smirnov, M. M. Glazov, Y. P. Efimov, S. A. Eliseev, V. A. Lovtcius, V. V. Petrov, K. V. Kavokin, A. V. Kavokin, and V. S. Zapasskii, Spin noise explores local magnetic fields in a semiconductor, Scientific Reports **6**, 21062 (2016).

[10] M. M. Glazov and V. S. Zapasskii, Linear optics, raman scattering, and spin noise spectroscopy, Opt. Express **23**, 11713 (2015).