

for the film with the intermediate anisotropy are in good agreement with our BLS data.

In summary, we performed BLS and MOKE studies of strained Pt/Co/Pt films. We demonstrated that the strain strongly influences the DMI in the system. Application of  $\pm 0.1\%$  in-plane deformations varies the DMI constant from 0.1 to 0.8 mJ/m<sup>2</sup>. Moreover, strong DMI anisotropy appears under compressive strain. The DMI constant perpendicular to the strain direction changes sign while the constant along the strain direction does

not. The magnetic film with the DMI of opposite sign along directions perpendicular to each other is suitable for realization of skyrmions with an antivortex domain wall. The strain used in the present work is less than what can be achieved in a hybrid FE/FM system. This opens the way to manipulate the DMI and eventually the skyrmions with a voltage via the strain-mediated magneto-electric coupling.

This research was supported by the Russian Science Foundation (Grant 18-72-10026).

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