Erratum: “On the Depolarization of Ultracold Neutrons in Traps” [JETP Lett. 76 (3), 131 (2002)]

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The first of Eqs. (2) should read

$$\ddot{\phi} + (\omega^2 - ia + a^2 t^2)\phi = 0,$$

Equation (11) should be

$$|\phi(+\infty)|^2 \simeq \frac{9}{4}(\xi^2 + \xi'^2).$$

In Fig. 2, the legends for curves 1 and 2 correspond, respectively, to curves 3 and 4, and vice versa. These misprints does not change the main result of the work: the probability of neutron depolarization in traps increases appreciably upon neutron reflection from the walls positioned in a nonuniform magnetic field.