Erratum: First-principles investigation of the damping of fast magnetization precession in ferromagnetic 3*d* metals [Phys. Rev. B 65, 212411 (2002)]

J. Kuneš and V. Kamberský

(Received 22 May 2003; published 14 July 2003)

DOI: 10.1103/PhysRevB.68.019901 PACS number(s): 76.60.Es, 71.20.Be, 76.50.+g, 75.10.Lp, 99.10.Cd

After publication of our numerical results we found a general energy scale error, which doubled all λ/τ values, and a bug in our calculation of the torque tensor for hcp Co with two atoms in unit cell. The corrected Table I reads

TABLE I. Damping ratios λ/τ from *ab initio* calculations.

	λ/τ (10^{22} s^{-2})
fcc Ni [001]	0.6
fcc Ni [111]	0.5
hcp Co [0001]	0.04
bcc Fe [001]	0.07

Our qualitative conclusions about Fe and Ni remain valid after the correction. Our quantitative comparison with the analysis of FMAR results in Ni by Heinrich *et al.*[1] requires twice the lower electron scattering frequency than that which we quoted previously. The corrected result obtained for hcp Co is surprisingly smaller than the value obtained for Fe, which is at variance with the low-temperature FMR experiments.[2]

We are indebted to M. Faehnle and D. Steiauf for drawing our attention to deviations between their[3] and our numerical results and for active collaboration in search for the source of the problem.

[1] B. Heinrich, D.J. Meredith, and J.F. Cochran, J. Appl. Phys. **50**, 7726 (1979).

[2] S.M. Bhagat and P. Lubitz, Phys. Rev. B **10**, 179 (1974).

[3] M. Faehnle and D. Steiauf (unpublished).

