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Erratum: "Two Dimensional Spectroscopy for Harmonic Vibrational Modes with Nonlinear System–Bath Interactions: I. Gaussian-White Case"

[J. Phys. Soc. Jpn. 69 (2000) 3115]

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The calculated result of Fig. 10 was contaminated by a numerically error arises from the discretized description of the harmonic potential. In order to suppress the numerical error, we set the nonlinear polarizability to $\alpha_2 = 0.1\alpha_2$ and recalculated the signal. The correct result of Fig. 10, which is justified from the analytical expression [Tanimura and Mukamel: J. Chem. Phys. **99** (1993) 9496] is the following:

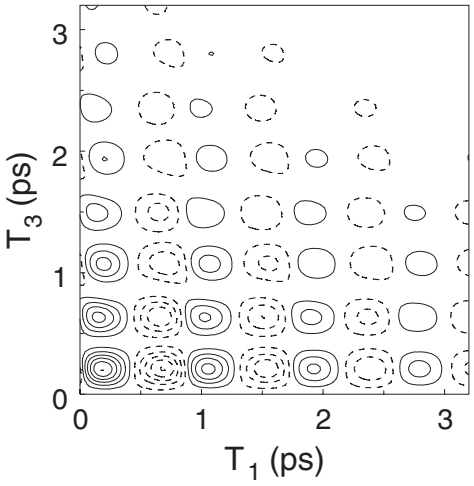

Fig. 10. Contour plot of the seventh-order Raman signal $I^{(7)}(T_1, T_3) = \mathrm{Im}\{R^{(7)}(T_3, 0, T_1)\}$, in the LL-model for $\zeta/\omega_0 = 0.1$. Dashed contours are negative. We set the nonlinear polarizability $\alpha_2 = 0.1\alpha_1$.

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