

ERRATA

Erratum: Experimental study of the signal-to-noise ratio of stochastic resonance systems
[Phys. Rev. A 46, 3243 (1992)]

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PACS number(s): 05.40.+j, 05.20.-y, 99.10.+g

The circle curves in Figs. 4 and 10, and the curves in Figs. 5 and 11 are in error because an alias filter was not used in the measurements.

To avoid the aliasing error we filter out high-frequency noise in both input and output before making Fourier transformation by a one-pole Butterworth filter with cutoff frequency f_c . In Fig. 1 we plot $G = R_{SR}/R_L$ by fixing $A = 0.33\nu$, and taking $\nu = 2048$ per second. Curve 1 indicates the result obtained in our original paper (there is a slight change due to the increase of ν), i.e., without filtering high-frequency noise, curves 2, 3, and 4 are obtained by filtering out high-frequency noise in both input and output with $f_c = 5$ KHz, 500 Hz, and 250 Hz, respectively.

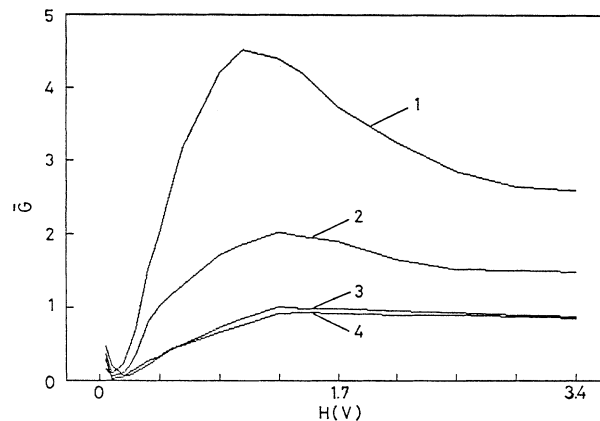


FIG. 1. G versus H . Curve 1: without filtering; curves 2, 3, 4: filtering noise with cutoff frequencies $f_c = 5$ KHz, 500 Hz, and 250 Hz, respectively.

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Erratum: Dendritic sidebranching with periodic localized perturbations: Directional solidification of pivalic acid–coumarin 152 mixtures
[Phys. Rev. E 48, 489 (1993)]

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A few typographical errors have been located in this paper. In Table I the following entries should be modified to read

Parameter	Value	Ref.
MW_{PVA} (g mole ⁻¹)	102.13	[18]
MW_{C152} (g mole ⁻¹)	257.2	a
T_m (K)	309.12	[18]
c_{liq} (J mole ⁻¹ K ⁻¹)	204.26	[18]
ρ (g cm ⁻³)	0.908	[18]

Also, in Figs. 5, 6, 8, and 11, τ should be replaced by $\bar{\tau}$ on the abscissa.

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