P H Y S I C A L   R E V I E W   L E T T E R S

Erratum: Effect of Stochastic Resonance on Bone Loss in Osteopenic Conditions [Phys. Rev. Lett. 100, 128101 (2008)]

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In a recent Letter, we have demonstrated the effect of stochastic resonance in a simplified spatial model for bone remodeling [1]. We have shown that the effect of stochastic resonance should be considered to enhance countermeasures for bone loss during long permanence in a microgravity environment such as in space flights.

To test the robustness of the model, we have investigated its behavior for several sets of parameter values. All give results qualitatively similar to those presented in the published Letter. In the published Letter, however, an error has been introduced inadvertently. The set of parameter values cited (on page 2) does not correspond to the actual set of parameter values used to obtain the presented results. Here we give the correct set of parameter values.

On page 2, second column, second paragraph, 7th line from the top, "white noise: $\beta = 0.2$; pink noise: $\beta = 0.3$" should be changed to "white noise: $\beta = 0.735$; pink noise: $\beta = 0.750$."

In the caption of Fig. 2, the value of T_{cr} is 1.01 and not 1. The conclusions made in the Letter are not affected by the errors.

[1] M. Rusconi, A. Zaikin, N. Marwan, and J. Kurths, Phys. Rev. Lett. **100**, 128101 (2008).