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ERRATUM

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SEA99: A Revised Ground-Motion Prediction Relation for Use in Extensional Tectonic Regimes

by P. Spudich and D. M. Boore

The equation used to compute the values of σ_3 in Table 2 in Spudich *et al.* (1999) was in error by a factor of 2. The result is that all values of σ_3 are too large by a factor of $\sqrt{2}$. When added to the variance for the prediction of the geometric mean of ground motion, ${\sigma_3}^2$ is the correction needed to give the variance corresponding to the randomly oriented component of ground motion.

The error, which originally appeared in equation (3) in Boore *et al.* (1993), also propagated to Boore *et al.* (1997) and Spudich *et al.* (1997). An erratum to Boore *et al.* (1997) submitted for publication in *Seismological Research Letters* contains more detail about the error and its consequences.

References

Boore, D. M., W. B. Joyner, and T. E. Fumal (1993). Estimation of response spectra and peak accelerations from western North American earthquakes: an interim report, *U.S. Geol. Surv. Open-File Rept. 93-509*, 72 pp.

Boore, D. M., W. B. Joyner, and T. E. Fumal (1997). Equations for estimating horizontal response spectra and peak acceleration from western North American earthquakes: a summary of recent work, *Seism. Res. Lett.* **68,** 128–153.

Spudich, P., J. B. Fletcher, M. Hellweg, J. Boatwright, C. Sullivan, W. B. Joyner, T. C. Hanks, D. M. Boore, A. McGarr, L. M. Baker, and A. G. Lindh (1997). SEA96—A new predictive relation for earthquake ground motions in extensional tectonic regimes, *Seism. Res. Lett.* **68,** 190–198.

Spudich, P., W. B. Joyner, A. G. Lindh, D. M. Boore, B. M. Margaris, and J. B. Fletcher (1999). SEA99: a revised ground motion prediction relation for use in extensional tectonic regimes, *Bull. Seism. Soc. Am.* **89,** 1156–1170.

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