

## *ERRATUM*

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# Empirical Peak Ground-Motion Predictive Relations for Shallow Earthquakes in Greece

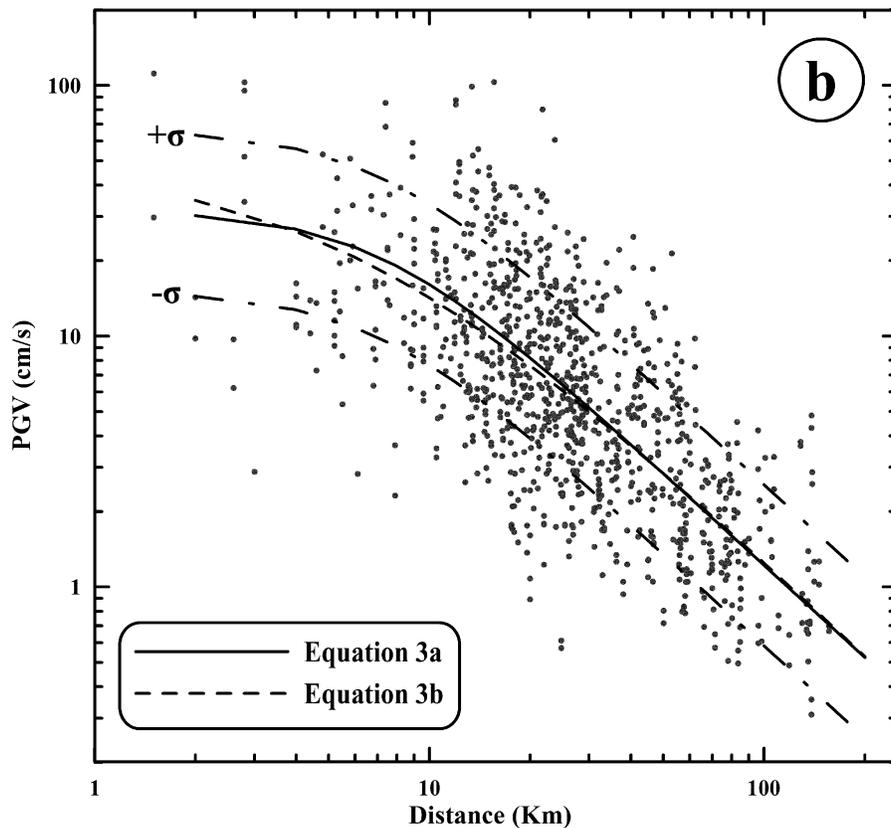
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In a previously published article related to peak ground-motion attenuation in Greece (Skarlatoudis *et al.*, 2003) equations (3a) and (3b) described the empirical peak ground velocity (PGV) predicting relation for shallow earthquakes in Greece. Since their publication these relations were used in some applications for the broader Aegean area and were also compared with independent results produced by other researchers. After significant differences recognized in these comparisons, the input data and all regression stages were checked again. This check resulted in the recognition of mis-

prints in the PGV data set, which led to underestimating the predicted PGV levels, mostly at near source distances by a factor of 2–3.

After correcting the misprints and applying the same regression technique, as in Skarlatoudis *et al.* (2003), equations (3a) and (3b) became

$$\log \text{PGV} = -1.66 + 0.65M_w - 1.224 \log(R^2 + h^2)^{1/2} + 0.03F + 0.15S \pm 0.321, \quad (3a)$$

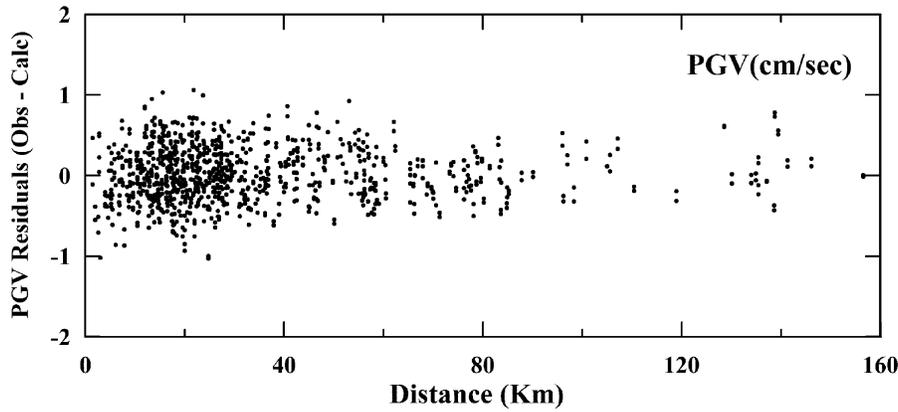


**Figure 4.** Comparison of the horizontal PGV empirical relations plotted together with the  $\pm 1\sigma$  curves with the observed values, scaled to  $M_w$  6.5. This is the corrected version of figure 4b in the original paper.

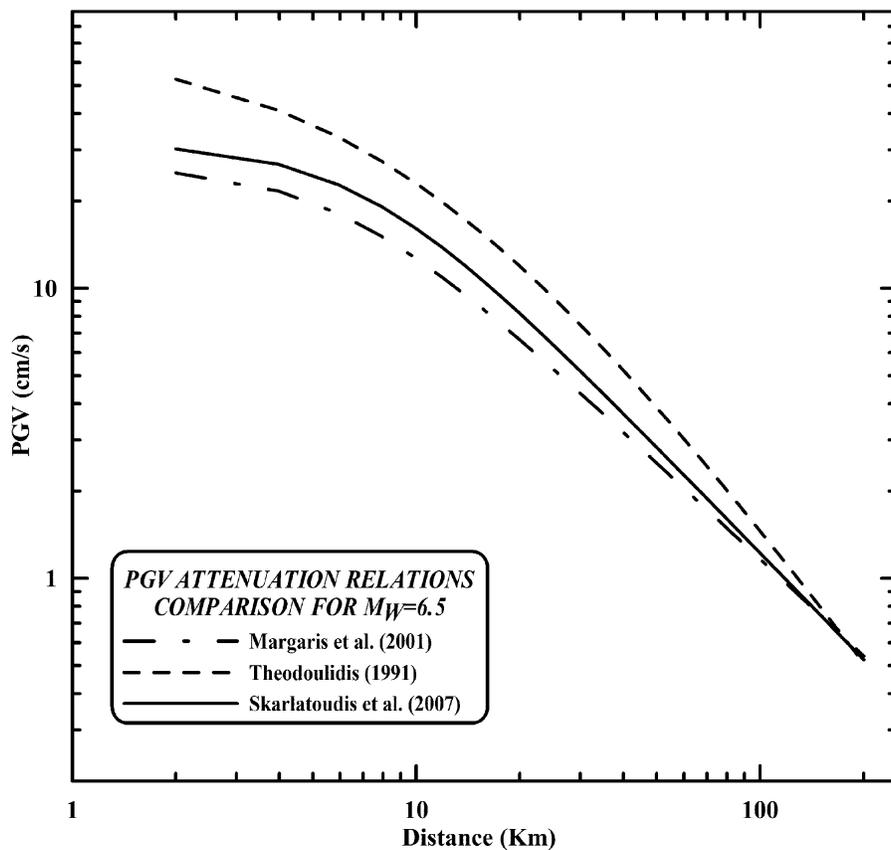
$$\log \text{PGV} = -1.46 + 0.64M_w - 1.29 \log(R + 6) + 0.02F + 0.14S \pm 0.32, \quad (3b)$$

1 where PGV is in cm/sec,  $M_w$  is the moment magnitude,  $R$  is the epicentral distance,  $h$  is the focal depth of each earth-

quake,  $S$  is the variable accounting for the local site conditions, and  $F$  is the variable referring to the effect of the faulting mechanism of the earthquakes in the predicting relations. Consequently the corresponding figures, Figures 4b, 5b, and 6b have been revised and are shown here. 2



**Figure 5.** Distribution of the residuals of peak velocity (PGV) in terms of distance. This is the corrected version of figure 5b in the original paper.



**Figure 6.** Comparison of the PGV empirical relations, (black continuous line) with those proposed by Theodoulidis (1991) (black dashed-dotted line) and Margaris *et al.* (2002) (black dashed line) for Greek data, for  $M_w$  6.5 and rock soil conditions (UBC class B,  $S = 0$ ). This is the corrected version of figure 6b in the original paper.

## References

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