Updated Near-Source Ground-Motion (Attenuation) Relations for the Horizontal and Vertical Components of Peak Ground Acceleration and Acceleration Response Spectra

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There is an error in equation (8) of Campbell and Bozorgnia (2003). The equation should read:

\[
HW = \begin{cases} 
0 & \text{for } r_p \geq 5 \text{ km or } \delta > 70^\circ \\
(S_{VS} + S_{SR} + S_{FR})(5 - r_p)/5 & \text{for } r_p < 5 \text{ km and } \delta \leq 70^\circ,
\end{cases}
\]  

(8)

The results and conclusions are not affected by this change.