

## VI REFERENCES

1. Ambraseys, N.N. (1975). Advancements in Engineering Seismology in Europe, *Bull of European Committee on Earthquake Eng.*, **4**, 7–18, Bulgarian Academy of Sciences, Sofia, Bulgaria.
2. Amini, A., and M.D. Trifunac (1985). Statistical Extension of Response Spectrum Superposition, *Int. J. Soil Dyn. Earthquake Eng.*, **4**(2), 54–63.
3. Bolt, B.A. (1973). Duration of Strong Ground Motion, *Proc. World. Conf. Earthquake Eng.*, *5th*, Rome, **6-D**, Paper No. 292.
4. Brune, J.N. (1970). Tectonic Stress and the Spectra of Seismic Shear Waves from Earthquakes, *J. Geophys. Res.*, **75**, 4997–5009.
5. Gupta, I.D., and M.D. Trifunac (1987). Order Statistics of Peaks of Response to Multi-Component Seismic Excitation, *Bull. Ind. Soc. Earthquake Tech.*, **24**, 135–159.
6. Gupta, V.K., and M.D. Trifunac (1990). Response of Multistoried Buildings to Ground Translation and Rocking During Earthquakes, *J. Probab. Eng. Mech.*, **5**, 138–145.
7. Jeong, G.D., and W.D. Iwan (1988). The Effect of Earthquake Duration on the Damage of Structures, *Earthquake Eng. Struct. Dyn.*, **16**, 1201–1211.
8. Jordanovski, L.R., V.W. Lee, M.I. Manić, T. Olumčeva, C. Sinadinovski, M.I. Todorovska, and M.D. Trifunac (1987). Strong Earthquake Ground Motion Data in EQINFOS: Yugoslavia, Part 1, Report No. 87-05, Institute for Earthquake Eng. and Eng. Seismology, Univ. Kiril i Metodij, Skopje, Yugoslavia, and Dept. of Civil Eng., Univ. of Southern Calif., Los Angeles, California.
9. Kawashima, K., and K. Aizawa (1989). Bracketed and Normalized Durations of Earthquake Ground Acceleration, *Earthquake Eng. Struct. Dyn.*, **18**, 1041–1051.
10. Lee, V.W., and M.D. Trifunac (1984). Current Developments in Data Processing of Strong Motion Accelerograms, Dept. of Civil Eng., Report No. 84-01, Univ. of Southern California, Los Angeles, California.
11. Lee, V.W., and M.D. Trifunac (1987). Strong Earthquake Ground Motion Data in EQINFOS: Part I, Dept. of Civil Eng., Report No. 87-01, Univ. of Southern California, Los Angeles, California.
12. Lee, V.W., and M.D. Trifunac (1992). Frequency Dependent Attenuation of Strong Earthquake Ground Motion in Yugoslavia, *European Earthquake Eng.*, **Vol. VI, No.1**, 1–13.
13. Lee, V.W., and M.D. Trifunac (1993). Empirical Scaling of Fourier Amplitude Spectra in Former Yugoslavia, *European Earthquake Eng.*, **3** (in press).
14. McCann, M.W., and H.C. Shah (1979). Determining Strong-Motion Duration of Earthquakes, *Bull. Seism. Soc. Amer.*, **69**, 1253–1265.
15. McGarr, A. (1981). Analysis of Peak Ground Motion in Terms of a Model of Inhomogeneous Faulting, *J. Geophys. Res.*, **86**, 3901–3912.
16. Mohraz, B., and M.-M. Peng (1989). Use of a Low-Pass Filter in Determining the Duration of Strong Ground Motion, *ASME, Pressure Vessels and Piping Division (Publication) PVP*, **182**, Publ. by ASME, New York, New York, 197–200.
17. Novikova, E.I. (1993). Frequency Dependent Comparison of the Modified Mercalli and Mercalli–Cancani–Sieberg Intensity Scales (submitted for publication).

18. Novikova, E.I., and T.G. Rautian (1991). Construction of the Map of Uncertainties in the Calculations of the Hypocentral Depths, in the book "Earthquakes and the Processes of Their Preparation," Moscow, Publishing House "Nauka" (in Russian).
19. Novikova, E.I., and M.D. Trifunac (1993a). Duration of Strong Ground Motion: Physical Basis and Empirical Equations. Dept. of Civil Eng., Report No. 93-02, Univ. of Southern California, Los Angeles, California.
20. Novikova, E.I., and M.D. Trifunac (1993b). The Modified Mercalli Intensity and the Geometry of the Sedimentary Basin as Scaling Parameters of the Frequency Dependent Duration of Strong Ground Motion. *Soil Dyn. and Earthquake Eng.*, **12**(4), 209-225.
21. Novikova, E.I., and M.D. Trifunac (1993c). Modified Mercalli Intensity Scaling of the Frequency Dependent Duration of Strong Ground Motion. *Soil Dyn. and Earthquake Eng.*, **12**(5), 309-322.
22. Novikova, E.I., and M.D. Trifunac (1994a). Duration of Strong Ground Motion: Scaling in Terms of Earthquake Magnitude, Epicentral Distance and Geological and Local Soil Conditions, *Earthquake Eng. and Struct. Dyn.*, **23**(6), 1023-1043.
23. Novikova, E.I., and M.D. Trifunac (1994b). The Influence of the Geometry of Sedimentary Basins on the Frequency Dependent Duration of Strong Ground Motion, *Earthquake Eng. and Eng. Vib.*, **14**(2), 7-44.
24. Page, R.A., D.M. Boore, W.B. Joyner, and H.W. Caulter (1972). Ground Motion Values for Use in the Seismic Design of the Trans-Alaska Pipeline System, USGS Circular 672.
25. Press, W.H., B.P. Flannery, S.A. Teukolsky, and W.T. Vetterling (1986). Numerical Recipes, Cambridge University Press, U.S.A.
26. Rautian, T.G. (1991). Seismoactive Medium and Earthquake Source, in the Book "Model and Experimental Studies of Earthquake Source," Nauka Publishing House Moscow (in Russian).
27. Richter, C.F. (1958). Elementary Seismology, Freeman and Co., San Francisco, California.
28. Sato, H. (1989). Broadening of Seismogram Envelopes in the Randomly Inhomogeneous Lithosphere Based on the Parabolic Approximation: Southeastern Honshu, Japan, *J. Geophys. Res.*, **94**, 17,735-17,747.
29. Seed, H.B., C. Ugas, and J. Lysmer (1976). Site Dependent Spectra for Earthquake Resistant Design, *Bull Seism. Soc. Amer.*, **66**, 221-243.
30. Shebalin, N.V. (1976). Methods of Using Engineering-Seismology Data in Seismic Zoning, in the book "Seismic Zoning of the USSR," Medvedev S.V., Editor, Keterpress Enterprises, Jerusalem (translated from Russian, Publishing House "Nauka," Moscow, 1968).
31. Smith, M.B. (1964). Map Showing Distribution and Configuration of Basement Rocks in California (North Half) (South Half), Oil and Gas Investigations, Map OM-215, Dept. of the Interior United States Geological Survey, Washington, D.C.
32. Takemoto, S., and M. Takada (1970). Moderate Earthquakes in the Northern Part of Kinki District and Strain Steps Associated with these Earthquakes, *Zisin, J. Seism. Soc. Japan*, **23**, 49-60.
33. Thatcher, W. (1972). Regional Variations of Seismic Source Parameters in the Northern Baja California Area, *J. Geophys. Res.*, **77**, 1549-1565.
34. Theofanopulos, N.A., and M. Watabe (1989). A New Definition of Strong Motion Duration and Comparison with Other Definitions, *Structural Eng./Earthquake Eng.*, *JSCE*, **6**, 111-122.

35. Trifunac, M.D. (1989a). Dependence of Fourier Spectrum Amplitudes of Recorded Strong Earthquake Accelerations on Magnitude, Local Soil Conditions and on Depth of Sediments, *Earthquake Eng. Structural Dyn.*, **18**, 999–1016.
36. Trifunac, M.D. (1989b). Empirical Scaling of Fourier Spectrum Amplitudes of Recorded Strong Earthquake Accelerations in Terms of Magnitude and Local and Geological Conditions, *Earthquake Eng. and Eng. Vibrations*, **9**, 23–44.
37. Trifunac, M.D. (1989c). Scaling Strong Motion Fourier Spectra by Modified Mercalli Intensity, Local Soil and Geological Site Conditions, *Structural Eng./ Earthquake Eng., JSCE*, **6**, 217–224.
38. Trifunac, M.D. (1990). How to Model Amplification of Strong Earthquake Motions by Local Soil and Geological Site Conditions, *Earthquake Eng. Struct. Dyn.*, **19**, 833–846.
39. Trifunac, M.D. (1993). Fourier Amplitude Spectra of Strong Motion Acceleration: Extension to High and Low Frequencies, *Int. J. Earthquake Eng. Struct. Dyn.*, (in press).
40. Trifunac, M.D., and A.G. Brady (1975a). On the Correlation of Seismic Intensity Scales with the Peaks of Recorded Strong Ground Motion, *Bull. Seism. Soc. Amer.*, **65**, 139–162.
41. Trifunac, M.D., and A.G. Brady (1975b). A Study on the Duration of Strong Earthquake Ground Motion, *Bull. Seism. Soc. Amer.*, **65**, 581–626.
42. Trifunac, M.D., and V.W. Lee (1979). Automatic Digitization and Processing of Strong Motion Accelerograms, Dept. of Civil Eng., Report No. 79-15 I and II, Univ. of Southern California, Los Angeles, California.
43. Trifunac, M.D., and M.I. Todorovska (1989). Attenuation of seismic intensity in Albania and Yugoslavia, *Earthquake Eng. Struct. Dyn.*, **18**, 617–631.
44. Trifunac, M.D., and B.D. Westermo (1976). Dependence of the Duration of Strong Earthquake Ground Motion on Magnitude, Epicentral Distance, Geological Conditions at the Recording Station and Frequency of Motion, Dept. of Civil Eng., Report No. 76-02, Univ. of Southern California, Los Angeles, California.
45. Trifunac, M.D., and B.D. Westermo (1977). A Note on the Correlation of Frequency-Dependent Duration of Strong Earthquake Ground Motion with the Modified Mercalli Intensity and the Geological Conditions at the Recording Stations, *Bull. Seism. Soc. Amer.* **67**, 917–927.
46. Trifunac, M.D., and B.D. Westermo (1982). Duration of Strong Earthquake Shaking, *Int J. Soil Dyn. Earthquake Eng.*, **2**, 117–121.
47. Trifunac, M.D., and M. Živčić (1991). A Note on Instrumental Comparison of the Modified Mercalli Intensity (MMI) in the Western United States and the Mercalli–Cancani–Sieberg (MCS) Intensity in Yugoslavia, *European Earthquake Eng.*, **1**, 22–26.
48. Trifunac, M.D., V.W. Lee, M. Živčić, and M. Manić (1991). On the Correlation of Mercalli–Cancani–Sieberg Intensity Scale in Yugoslavia with the Peaks of Recorded Strong Ground Motion, *European Earthquake Eng.*, **1**, 27–33.
49. Udvardi, F.E., and M.D. Trifunac (1974). Characterization of Response Spectra through the Statistics of Oscillator Response, *Bull. Seism. Soc. Amer.*, **64**, 205–219.
50. Vanmarcke, E.H., and S.P. Lai (1980). Strong-Motion Duration and RMS Amplitude of Earthquake Records, *Bull. Seism. Soc. Amer.*, **70**, 1293–1307.
51. Wideman, C.T., and M.W. Major (1967). Strain Steps Associated with Earthquakes, *Bull. Seism. Soc. Amer.*, **57**, 1429–1444.