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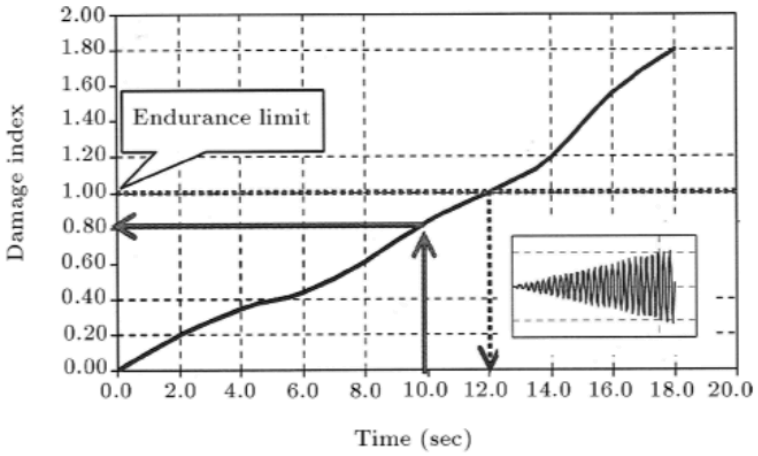

Figure 2. Damage curve against time for a typical structure subjected to intensifying accelerogram.

From: H.E. Estekanchi, A. Vafai and M. Sadeghazar, "Endurance time method for seismic analysis and design of structures", Scientia Iranica, Vol. 11, No. 4, pp 661-370, October 2004

See:
https://scholar.google.com/citations?user=7q7sxa0AAAAJ
http://sharif.edu/~stkanchi/

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Selected Publications:
Vafai, A, Estekanchi, HE. A prologue to the buckling analysis of cracked shells. Iranian Journal of Science and Technology, 1996, 20:137-68.
Vafai A, Estekanchi HE. A parametric finite element study of cracked plates and shells. Thin-Walled Structures 1999;33:211–29.
H.E. Estekanchi, A. Vafai, On the buckling of cylindrical shells with through cracks under axial load, Thin-Walled Structures, 35 (1999) 255-274.

Vafai, A., Javidruzi, M., Estekanchi, H.E.: Parametric instability of edge cracked plates. Thin-Walled Struct. 40, 29–44 (2002)
Estekanchi HE, Vafai A, Kheradmandnia K. Finite element buckling analysis of cracked cylindrical shells under torsion. Asian J Civ Eng 2002; 3(2):73–84.
Vaziri A, Nayeb-Hashemi H, Estekanchi HE. Dynamic response of cracked cylindrical shells with internal pressure. Proceedings of the ASME congress and exposition; 2002.
Vaziri A, Nayeb-Hashemi H, Estekanchi HE. Buckling of the Composite Cracked Cylindrical Shells Subjected to Axial Load. ASME Conference Proceedings 2003;2003:87–93.
H.E. Estekanchi, A. Vafai and M. Sadeghazar, "Endurance time method for seismic analysis and design of structures", Scientia Iranica, Vol. 11, No. 4, pp 661-370, October 2004
A. Vaziri, H. E. Estekanchi, "Buckling of Cracked Cylindrical Thin Shells under Combined Internal Pressure and Axial Compression.," Thin-Walled Structures, vol. 44, pp. 141-151, 2006.
H.E. Estekanchi and M. Alembagheri, "Seismic analysis of steel liquid storage tanks by Endurance Time method", Thin-Walled Structures, Vol. 50, pp 14-23, January 2012