E-mail: 321434@ mail.dyu.edu.tw

:

[1]Chang, L.C. and Read, T.A. " Plasic Deformation and Diffusiordess Phase Change in Metals-the Gold-Cadmium Beta Phase, " Trans. AIME., Vol. 189, pp. 47, 1951.

[2]Buehler, W.J., Gilfrich, J.V. and Wiley, R.C. " Effect of Low-Temperature Phase Changes on the Mechanical Properties of Alloys near Composition TiNi," J.Appl. Phys.,Vol. 34, pp. 1475-1477, 1963.

[3]Tanaka, K. " A Thermomechanical Sketch of Shape Memory Effect: One-Dimensional Tensile Behavior," Res. Mech., Vol. 18, pp. 251-263, 1986.

[4]Tanaka, K., Nishimura, F. and Tobushi H., " Phenomenological Analysis on Subloops in Shape Memory Alloys due to Incomplete Transformation," Journal of Intelligent Material System and Structure, Vol. 5, pp. 487-493., 1994.

[5]Liang, C. and Rogers, C. A., " One-Dimensional Thermomechanical Constitutive Relations for Shape Memory Materials," Journal of Intelligent Material System and Structure, Vol. 8, pp. 285-302, 1997.

[6]Brinson, L. C., " One-Dimensional Constitutive Behavior of Shape Memory Alloys: Thermomechanical Derivation with Non-constant Material Functions and Redefined Martensite Internal Variable," Journal of Intelligent Material System and Structure, Vol. 4, pp. 229-42, 1993.

[7]Boyd, J. G. and Lagoudas D.C. " A Thermodynamical Constitutive Model for the Shape Memory Effect due to Transformation and Reorientation," , Proceeding of SPIE, Vol. 2189, pp.276-288, 1994.

[8]Leo, P.H., Shild, T.W. and Bruno O.P., " Transient Heat Transfer Effects on the Pseudoelastic Behavior of Shape Memory Wires," Acta Metall. Materials, Vol. 41, pp. 2477-2485, 1993.

[9]Wu, K., Yang, F., Pu, Z. and Shi, J., " The Effect of Strain Rate on Detwinning and Superelastic Behavior of NiTi Shape Memory Alloys," Journal of Intelligent Material System and Structure, Vol. 7, pp.138-144, 1996.

[10]Bruno O.P., " Quasi-Static Dynamics and Pseudoelasticity in Polycrystalline Shape Memory Wires," Proceeding of SPIE, Vol. 2192, pp.370-379, 1994.

[11]Piedboeuf, M.C., Gauvin, R. and Thomas M., " Damping Behavior of Shape Memory Alloys: Strain Amplitude, Frequency and Temperature Effects," Journal of Sound and Vibration, Vol. 214, pp. 885-901, 1998.

[12]Lim, T.J. and McDowell D.L., " Path Dependance of Shape Memory Alloys during Cycle Loading," Journal of Intelligent Material System and Structure, Vol. 6, pp.817-830, 1995.

[13]Liu, Y. and Van Humbeek J. " On the Damping Behavior of NiTi Shape Memory Alloy," Journal of Physique Coll. IV 7 C 5 519, 1997.

[14]Sutton, T. J. Elliott, S. J., Brennan M. J., Heron K. H. and Jessop, D. A., " Active Isolation of Multiple Structural Waves on a Helicopter Gearbox Support Strut," Journal of Sound and Vibration, Vol.205, pp. 81-101, 1997.

[15]Brennan M. J., Elliott, S. J. and Pinnington R. J., " Active Control of Vibrations Transmitted Through Struts," , 1st Int. Conf. on Motion and Vibration Control, , pp. 605-609, Yokohama, Japan, 1992.

[16]Elliott, S. J., Sutton, T. J., Brennan M. J., and Pinnington R. J., " Vibration Reduction by Active Wave Control in a Strut," Symp. of Int. Union of Theoretical and Applied Mechanics, pp. 1-7, Bath, UK, 1994.

[17]Brennan M. J., Elliott, S. J. and Heron K. H. " Noise Propagation Through Helicopter Gearbox Support Strut- Experimental Study," Journal of Vibration and Acoustics, 120, pp. 695-704, 1998.

[18]Pelinescu I. and Balachandran B., " Active Control of Vibration Transmission Through Struts," Proceeding of SPIE, Vol. 3329, pp.596-607, 1998.

[19]Pelinescu I. and Balachandran B., " Control of Wave Transmission Through Struts," Proceeding of SPIE, Vol. 3668, pp.80-91, 1999.

[20]Pelinescu I. and Balachandran B., " Analytical Study of Active Control of Wave Transmission Through Cylindrical Struts," Journal of Smart Materials and Structures, Vol.10, pp.121-136, 2001.

[21]Baz, A. " Spectral Finite-Element Modeling of the Longitudinal Wave Propagation in Rods Treated with Active Constrained Layer Damping, " Smart Materials and Structures, Vol. 9, pp. 372-377, 2000.

[22]Ruzzene, M. and Baz, A. " Control of Wave Propagation in Periodic Composite Rods Using Shape Memory Inserts," Journal of Vibration and Acoustics, 122(2), pp. 151-159, 2000.

[23]Ruzzene, M. and Baz, A. " Attenuation and Localization of Wave Propagation in Periodic Rods Using Shape Memory Inserts," Smart Materials and Structures, Vol. 9, pp. 805-816, 2000.

[24]Chen, T., Ruzzene, M. and Baz, A. " Control of Wave Propagation in Composite Rods Using Shape Memory Inserts: Theory and Experiments," Journal of Vibration and Control, Vol. 6, pp. 1065-1081, 2000.

[25]Chen, Q. and Levy, Cesar, 1995a, " Simplified model for combined applications of viscoelastic material and shape memory alloys to vibration control," Proc. SPIE 2443: 481-490. Smart Structures and Materials 1995: Smart Structures and Integrated Systems, Inderjit Chopra; Ed.

[26]Chen, Q. and Levy, Cesar, 1995b, " Active vibration control of an elastic beam by means of shape memory alloy (SMA) layers," Proc. SPIE 2443: 579-587, Smart Structures and Materials 1995: Smart Structures and Integrated Systems, Inderjit Chopra; Ed.

[27]Thorp, O., Ruzzene, M. and Baz, A. " Attenuation and Localization of Wave Propagation in Rods with Periodic Shunted piezoelectric patches," Smart Materials and Structures, Vol.10, pp. 979-989, 2001.

[28]Doyle, J. F. and Kamle,S.,1985," An experimental study of the reflection and transmission of flexural waves at discontinuities," Journal of Applied Mechanics 52, 669-673.