

## REFERENCES

- Bae, J. S., Kwak, M. K. and Inman, D. J., 2005, "*Vibration suppression of cantilever beam using eddy current damper,*" *Journal of Sound and Vibration* 284, 805–824.
- Canova A., Vusini B., 2003, "*Design of axial eddy-current couplers,*" *IEEE Transactions on Industry Applications* 39 (3), 725–733.
- Crandall S.H., Karnopp D.C., Kurtz E.F., Pridmore-Brown E.F., 1968, *Dynamics of Mechanical and Electromechanical Systems*, McGraw- Hill, New York.
- Davis. L.C., and Reitz. J.R., 1971, *Journal of Applied Physics*, 4119, 42.
- Fung, R. F., Liu, Y. T. and Wang, C. C., 2005, "*Dynamic model of an electromagnetic actuator for vibration control of a cantilever beam with a tip mass,*" *Journal of Sound and Vibration* 288, 957–980.
- Graves K.E., Toncich D., Iovenitti D.S., 2000, "*Theoretical comparison of motional and transformer emf device damping efficiency,*" *Journal of Sound and Vibration* 233 (3) 441–453.
- Graves, K. E., Toncich, D., and Iovenitti, P. G., 2000, "*Theoretical Comparison of Motional and Transformer EMF Device Damping Efficiency,*" *J. Sound Vib.*, 233(3), pp. 441–453.
- Gunter. E.J., Humphris. R.R. and Severson. S.J., 1983, "*Design Study of Magnetic Eddy Current Vibration Dampers for Application to Cryogenic Turbomachinery*" University of Virginia Report UVA/528210/MAE84/101, NASA Grant NAG, 3, 263.
- Hahn, K. D., Johnson, E. M., Brokken, A., and Baldwin, S., 1998, "*Eddy Current Damping of a Magnet Moving Through a Pipe,*" *Am. J. Phys.*, 66(12), pp. 1066–1076.
- Heald. M.A., 1988, *American Journal of Physics*, 521, 56.
- Howe. D., 2000, "*Magnetic actuators,*" *Sensors and Actuators* 81, 268–274.
- Karnopp. D., 1989, *Vehicle System Dynamics*, 18, 187.
- Karnopp D., 1989, "*Permanent magnets linear motors used as variable mechanical dampers for vehicle suspensions,*" *Vehicle System Dynamics* 18, 187–200.
- Kenjo T., Nagamori S., 1985, "*Permanent-Magnet and Brushless DC Motors,*" Clarendon Press, Oxford.

- Kienholtz, D. A., Pendleton, S. C., Richards, K. E., and Morgenthaler, D. R., 1994, “*Demonstration of Solar Array Vibration Suppression*,” Proceedings of SPIE’s Conference on Smart Structures and Materials, Orlando, FL, Feb. 14–16, Vol. 2193, pp. 59–72.
- Kobayashi, H., and Aida, S., 1993, “*Development of a Houde Damper Using Magnetic Damping*,” Vib. Isol., Acoust. Damp. Mech. Syst. ASME, 62, pp. 25–29.
- Lesobre A., Ahmed A.H.B., Drecq D., 2001, “*An analytical dynamic model of eddy-current brakes*,” Proceedings of the IEEE International Electric Machines and Drives Conference, 0-7803-7091-0/01, pp. 122–125.
- Lequesne B., Liu B., Nehl T.W., 1997, “*Eddy-current machines with permanent magnets and solid rotors*,” IEEE Transactions on Industry Applications 33 (5) 1289–1294.
- Matsuzaki, T., Ikeda, T., Nae, A., and Sasaki, T., 2000, “*Electromagnetic Forces for a New Vibration Control System: Experimental Verification*,” Smart Mater. Struct., 9(2), pp. 127–131.
- Matsuzaki, Y., Ishikubo, Y., Kamita, T., and Ikeda, 1997, “*Vibration Control System Using Electromagnetic Forces*,” J. Intell. Mater. Syst. Struct., 8, pp. 751–756.
- Meisel J., 1984, “*Principles of Electromechanical Energy Conversion*,” Robert Krieger, Malabar, FL.
- Morisue, T., 1990, “*Analysis of a Coupled Problem: The Felix Cantilevered Beam*,” IEEE Trans. Magn., 26(2), pp. 540–543.
- Nagaya K., Kojima H., 1984 “*On a magnetic damper consisting of a circular magnetic flux and a conductor of arbitrary shape*,” Part 1: derivation of the damping coefficients, Journal of Dynamic Systems, Measurement, and Control 106, 46–51.
- Nagaya. K., Kojima. H., Karube, Y. and Kibayashi., 1984, *IEEE Transactions on Magnetism*, 20, 2136.
- Sodano, H. A., Bae, J. S., Inman, D. J. and Belvin, W. K., 2005, “*Concept and model of eddy current damper for vibration suppression of a beam*,” Journal of Sound and Vibration 284, 1177-1196.
- Takagi, T., Tani, J., Matsuda, S., and Kawamura, S., 1992, “*Analysis and Experiment of Dynamic Deflection of a Thin Plate With a Coupling Effect*,” IEEE Trans. Magn., 28(2), pp. 1259–1262.

Vance J.M., Ying D., Nikolajsen J.L., 2000, "Actively controlled bearing dampers for aircraft engine applications," ASME Journal of Engineering for Gas Turbines and Power 122, 466–472.

Wiederick. H. H., Gauthier. N, Campbell. D. A., 1987, *American Journal of Physics*, 500, 55.