

References

1. Yi, K. and Hedrick, K., "Dynamic Tire Force Control by Semiactive Suspensions," *Journal of Dynamic Systems, Measurements, and Control*, Vol. 115, No. 3, pp. 465-474, September 1993.
2. Valasek, M., Novak, M., Sika, Z., Vaculin, O., "Extended Groundhook - New Concept of Semiactive Control of Truck's Suspension," *Vehicle System Dynamics*, Vol. 27, No. 5-6, pp. 289-303, June 1997.
3. Yoshimura, T., Nakaminami, K., and Hino, J., "A Semiactive Suspension with Dynamic Absorbers of Ground Vehicles Using Fuzzy Reasoning," *International Journal of Vehicle Design*, Vol. 18, No. 1, pp. 19-34, 1997.
4. Frost, G.P., Gordon, T.J., Howell, M.N., and Wu, Q.H., "Moderated Reinforcement Learning of Active and Semiactive Vehicle Suspension Control Laws," *Proceedings of the Institution of Mechanical Engineers, Part I*, Vol. 210, No. 14, pp.249-257, 1996.
5. Margolis, D.L., "A Procedure for Comparing Passive, Active, and Semiactive Approaches to Vibration Isolation," *Journal of the Franklin Institute*, Vol. 315, No. 4, pp. 225-238, April 1983.
6. Hwang, S., Heo, S., Kim, H., and Lee, K., "Vehicle Dynamic Analysis and Evaluation of Continuously Controlled Semiactive Suspensions Using Hardware-in-the-loop Simulation," *Vehicle System Dynamics*, Vol. 27, No. 5-6, pp. 423-434, June 1997.
7. Jezequel, L. and Roberti, V., "Optimal Preview Semiactive Suspension," *Journal of Dynamic Systems, Measurement, and Control*, Vol. 118, No. 1, pp. 99-105, March 1996.
8. Miller, L.R., "Tuning Passive, Semiactive, and Fully Active Suspension Systems," *Proceedings of the 27th IEEE Conference on Decision and Control*, December 1988.
9. Hrovat, D., Margolis, D.L., and Hubbard, M., "An Approach Toward the Optimal Semiactive Suspension," *Journal of Dynamic Systems, Measurement, and Control*, Vol. 110, No. 3, pp. 288-296, September 1988.
10. Tibaldi, M and Zattoni, E., "Robust Control of Active Suspensions for High Performance Vehicles," *Proceedings of the IEEE International Symposium on Industrial Electronics*, June 1996.
11. Cheok, K.C. and Huang, N.J., "Lyapunov Stability Analysis for Self-Learning Neural Model with Applications to Semi-Active Suspension Control System," *Proceedings of the IEEE International Symposium on Intelligent Control*, p. xvi+613, 326-331, September 1989.

12. Margolis, D.L., "The Response of Active and Semiactive Suspensions to Realistic Feedback Signals," *Vehicle System Dynamics*, Vol. 11, No. 5-6, pp. 267-282, December 1982.
13. Bellizzi, S. and Bouc, R., "Adaptive Sub-Optimal Parametric Control for Non-Linear Stochastic Systems: Application to Semiactive Isolators," *Probabilistic Methods in Applied Physics*, pp. 401, 223-238, 1995.
14. Lieh, J., "Semiactive Damping Control of Vibrations in Automobiles," *Journal of Vibration and Acoustics*, Vol. 115, No. 3, pp. 340-343, July 1993.
15. Lazareva, T.G. and Shitik, I.G., "Magnetic and Magnetorheological Properties of Flowable Compositions Based on Barium and Strontium Ferrites and Iron Oxides," *Proceedings of the Society for Optical Engineering*, Vol. 3040, pp. 185-189, March 1997.
16. Ashour, O.; Kinder, D.; Giurgiutiu, V.; and Rogers, C., "Manufacturing and Characterization of Magnetorheological Fluids," *Proceedings of the Society for Optical Engineering*, Vol. 3040, pp. 174-184.
17. Ashour, O., Rogers, C.A., and Kordonsky, W. "Magnetorheological Fluids: Materials, Characterization, and Devices," *Journal of Intelligent Material Systems and Structures*, Vol. 7, March 1996, pp. 123-130.
18. Carlson, J.D.; Catanzarite, D.M.; and St. Clair, K.A., "Commercial Magnetorheological Fluid Devices," *International Journal of Modern Physics B*, Vol. 10, No. 23-24, pp. 2857-2865.
19. Kordonsky, W., "Elements and Devices Based on Magnetorheological Effect," *Journal of Intelligent Materials, Systems, and Structures*, Vol. 4, pp. 65-69, January 1996.
20. Bolter, R., and Janocha, H., "Design Rules for MR Fluid Actuators in Different Working Modes," *Proceedings of the Society for Optical Engineering*, Vol. 3045, pp. 148-159, March 1997.
21. Jolly, M.R., Carlson, J.D., and Munoz, B.C., "A Model of the Behavior of Magnetorheological Materials," *Smart Materials and Structures*, Vol. 5, No. 5, pp. 607-614, October 1996.
22. Ballo, I., "Power Requirement of Active Vibration Control Systems," *Vehicle System Dynamics*, Vol. 24, No. 9, pp. 683-694, October 1995.
23. Grimm, E.A., Huff, G.J., and Wilson, J.N., "An Active Seat Suspension for Off-Road Vehicles," *Symposium on Computers, Electronics, and Control*, V-3, p265, May 1974.
24. Nevala, K., Kangaspuoskari, M., and Leinonen, T., "Development of an Active Suspension Mechanism for the Seat Vibration Damping," *Proceedings of the Fourth*

- IASTED International Conference on Robotics and Manufacturing*, p. iv+380, 337-339, August 1996.
25. Wu, X, and Griffin, M.J., "A Semiactive Control Policy to Reduce the Occurrence and Severity of End-Stop Impacts in a Suspension Seat with an Electrorheological Fluid Damper," *Journal of Sound and Vibration*, Vol. 203, No. 5, pp. 781-793, June 1997.
 26. Karnopp, D., "Active and Semiactive Vibration Isolation," *Journal of Vibrations and Acoustics*, Vol. 117, No. 3B, pp. 177-185, June 1995.
 27. Cebon, D., Besinger, F.H., and Cole, D.J., "Control Strategies for Semiactive Lorry Suspensions," *Proceedings of the Institution of Mechanical Engineers, Part D*, Vol. 219, No. D2, pp. 161-178, 1996.
 28. Hrovat, D., and Hubbard, M., "Optimum Vehicle Suspensions Minimizing RMS Rattlespace, Sprung-mass Acceleration, and Jerk," *Journal of Dynamic Systems, Measurement, and Control*, Vol. 103, No. 3, pp. 228-236, September 1981.
 29. Satoh, M., Fukushima, N., Akatsu, Y., Fujimura, I., and Fukuyama, K., "An Active Suspension Employing an Electrohydraulic Pressure Control System," *Proceedings of the 29th IEEE Conference on Decision and Control*, December 1990.
 30. Suda, Y., and Shiiba, T., "A New Hybrid Suspension System with Active Control and Energy Regeneration," *Vehicle System Dynamics*, Vol. 25, Supplemental, pp. 641-654, August 1995.
 31. Meirovitch, L., *Elements of Vibration Analysis*, McGraw-Hill, Inc., New York, 1986.
 32. Miller, L. R., "An Introduction to Semiactive Suspension Systems," *Lord Library of Technical Articles*, Document LL-1204, 1986.
 33. Crosby, M. J., Karnopp, D., et al., "Vibration Control Using Semiactive Force Generators," *Transactions of the ASME*, Paper 73-DET-122, June 1973.
 34. International Standards Organization, "Earth-Moving Machinery - Laboratory Evaluation of Operator Seat Vibration," Standard 7096, 1994.
 35. International Standards Organization, "Evaluation of Human Exposure to Whole Body Vibration," Standard 2631, 1985.
 36. Society of Automotive Engineers, "Measurement of Whole Body Vibration of the Seated Operator of Off-Highway Work Machines," SAE J1013, August 1992.
 37. Miller, L. R., and Nobels, C. M., "Methods for Eliminating Jerk and Noise in Semiactive Suspensions," *Truck and Bus Meeting and Exposition*, Detroit, Michigan, November 1990.