DAFTAR PUSTAKA

Ai, H. X., Wang, D. H., & Liao, W. H. (2006). Design and Modeling of a Magnetorheological Valve with Both Annular and Radial Flow Paths. *Journal of Intelligent Material Systems and Structures*, *17*(4), 327–334. https://doi.org/10.1177/1045389X06055283

Ashtiani, M., Hashemabadi, S. H., & Ghaffari, A. (2015). A review on the magnetorheological fluid preparation and stabilization. *Journal of Magnetism and Magnetic Materials*, *374*, 716–730. https://doi.org/10.1016/j.jmmm.2014.09.020

Bahiuddin, I., Mazlan, S. A., Shapiai, M. I., Mohamad, N., & Imaduddin, F. (2018). A Model of Magnetorheological Grease using Machine Learning Method. *Key Engineering Materials*, *775*, 191–197. https://doi.org/10.4028/www.scientific.net/KEM.775.191

Basri, H., Diniardi, E., & Ramadhan, A. I. (1990). Optimasi Desain Dimensi Silinder Arm Pada Hydraulic Excavator Pc 1250-7. *Nucl. Phys.*, *13*(November 2016), 1–7.

Chang, P. H., & Lee, S.-J. (2002). A straight-line motion tracking control of hydraulic excavator system. *Mechatronics*, *12*(1), 119–138. https://doi.org/10.1016/S0957-4158(01)00014-9

Choi, S.-B., Nam, M.-H., & Lee, B.-K. (2000). Vibration Control of a MR Seat Damper for Commercial Vehicles. *Journal of Intelligent Material Systems and Structures*, *11*(12), 936–944. https://doi.org/10.1106/AERG-3QKV-31V8-F250

Cruze, D., G, H., Jebadurai, S. V. S., L, S., D, T., & Christy, S. S. J. E. (2018). A Review on the Magnetorheological Fluid, Damper and Its Applications for Seismic Mitigation. *Civil Engineering Journal*, *4*(12), 3058. https://doi.org/10.28991/cej-03091220

Danh, L. T., & Ahn, K. K. (2014). Active pneumatic vibration isolation system using negative stiffness structures for a vehicle seat. *Journal of Sound and Vibration*, *333*(5), 1245–1268. https://doi.org/10.1016/j.jsv.2013.10.027

Fatah, A. Y. A., Mazlan, S. A., Koga, T., Zamzuri, H., Zeinali, M., & Imaduddin, F. (2015). A review of design and modeling of magnetorheological valve. *International Journal of Modern Physics B*, *29*(4). https://doi.org/10.1142/S0217979215300042

Gan, Z., Hillis, A. J., & Darling, J. (2015). Adaptive control of an active seat for occupant vibration reduction. *Journal of Sound and Vibration*, *349*, 39–55. https://doi.org/10.1016/j.jsv.2015.03.050

Grunwald, A., & Olabi, A. G. (2008). Design of magneto-rheological (MR) valve. *Sensors and Actuators A: Physical*, *148*(1), 211–223. https://doi.org/10.1016/j.sna.2008.07.028

Hiemenz, G. J., Hu, W., & Wereley, N. M. (2008). Semi-Active Magnetorheological Helicopter Crew Seat Suspension for Vibration Isolation. *Journal of Aircraft*, *45*(3), 945–953. https://doi.org/10.2514/1.32736

Ichwan, B., Mazlan, S. A., Imaduddin, F., Ubaidillah, Koga, T., & Idris, M. H. (2016). Development of a modular MR valve using meandering flow path structure. *Smart Materials and Structures*, *25*(3), 037001. https://doi.org/10.1088/0964-1726/25/3/037001

Imaduddin, F., Mazlan, S. A., & Zamzuri, H. (2013). A design and modelling review of rotary magnetorheological damper. *Materials & Design*, *51*, 575–591. https://doi.org/10.1016/j.matdes.2013.04.042

Lau, Y. K., & Liao, W. H. (2005). Design and Analysis of Magnetorheological Dampers for Train Suspension. *Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit*, *219*(4), 261–276. https://doi.org/10.1243/095440905X8899

Le, T. D., & Ahn, K. K. (2011). A vibration isolation system in low frequency

excitation region using negative stiffness structure for vehicle seat. *Journal of Sound and Vibration*, *330*(26), 6311–6335. https://doi.org/10.1016/j.jsv.2011.07.039

Lee, J. H. (1995). Combining multiple evidence from different properties of weighting schemes. *Proceedings of the 18th Annual International ACM SIGIR Conference on Research and Development in Information Retrieval - SIGIR '95*, 180–188. https://doi.org/10.1145/215206.215358

Maciejewski, I., Meyer, L., & Krzyzynski, T. (2010). The vibration damping effectiveness of an active seat suspension system and its robustness to varying mass loading. *Journal of Sound and Vibration*, *329*(19), 3898–3914. https://doi.org/10.1016/j.jsv.2010.04.009

Milecki, A., & Hauke, M. (2012). Application of magnetorheological fluid in industrial shock absorbers. *Mechanical Systems and Signal Processing*, *28*, 528–541. https://doi.org/10.1016/j.ymssp.2011.11.008

Nguyen, Q.-H., Choi, S.-B., & Wereley, N. M. (2008). Optimal design of magnetorheological valves via a finite element method considering control energy and a time constant. *Smart Materials and Structures*, *17*(2), 025024. https://doi.org/10.1088/0964-1726/17/2/025024

Nguyen, Q.-H., Han, Y.-M., Choi, S.-B., & Wereley, N. M. (2007). Geometry optimization of MR valves constrained in a specific volume using the finite element method. *Smart Materials and Structures*, *16*(6), 2242–2252. https://doi.org/10.1088/0964-1726/16/6/027

Ning, D., Du, H., Sun, S., Li, W., & Li, W. (2018). An Energy Saving Variable Damping Seat Suspension System With Regeneration Capability. *IEEE Transactions on Industrial Electronics*, *65*(10), 8080–8091. https://doi.org/10.1109/TIE.2018.2803756

Ning, D., Sun, S., Li, H., Du, H., & Li, W. (2016). Active control of an innovative seat suspension system with acceleration measurement based friction

estimation. *Journal of Sound and Vibration*, *384*, 28–44. https://doi.org/10.1016/j.jsv.2016.08.010

Rafajłowicz, W., Więckowski, J., Moczko, P., & Rafajłowicz, E. (2020). Iterative learning from suppressing vibrations in construction machinery using magnetorheological dampers. *Automation in Construction*, *119*, 103326. https://doi.org/10.1016/j.autcon.2020.103326

Sahin, H., Liu, Y., Wang, X., Gordaninejad, F., Evrensel, C., & Fuchs, A. (2007). Full-scale magnetorheological fluid dampers for heavy vehicle rollover. *Journal of Intelligent Material Systems and Structures*, *18*(12), 1161–1167. https://doi.org/10.1177/1045389X07083137

Saini, R. S. T., Chandramohan, S., Sujatha, S., & Kumar, H. (2021). Design of bypass rotary vane magnetorheological damper for prosthetic knee application. *Journal of Intelligent Material Systems and Structures*, *32*(9), 931–942. https://doi.org/10.1177/1045389X20942577

Seward, D., Pace, C., Morrey, R., & Sommerville, I. (2000). Safety analysis of autonomous excavator functionality. *Reliability Engineering & System Safety*, *70*(1), 29–39. https://doi.org/10.1016/S0951-8320(00)00045-4

Spelta, C., Previdi, F., Savaresi, S. M., Delvecchio, D., & Tremolada, S. (2011). Semi-active control of cab suspension in an agricultural tractor via magneto-rheological actuator. *IEEE International Conference on Control and Automation, ICCA*, 812–817. https://doi.org/10.1109/ICCA.2011.6138074

Sun, S. S., Ning, D. H., Yang, J., Du, H., Zhang, S. W., & Li, W. H. (2016). A seat suspension with a rotary magnetorheological damper for heavy duty vehicles. *Smart Materials and Structures*, *25*(10), 105032. https://doi.org/10.1088/0964-1726/25/10/105032

Tsampardoukas, G., Stammers, C. W., & Guglielmino, E. (2008). Hybrid balance control of a magnetorheological truck suspension. *Journal of Sound and Vibration*, *317*(3–5), 514–536. https://doi.org/10.1016/j.jsv.2008.03.040

Virtanen, I. M., Karppinen, J., Taimela, S., Ott, J., Barral, S., Kaikkonen, K., Heikkilä, O., Mutanen, P., Noponen, N., Männikkö, M., Tervonen, O., Natri, A., & Ala-Kokko, L. (2007). Occupational and Genetic Risk Factors Associated With Intervertebral Disc Disease. *Spine*, *32*(10), 1129–1134. https://doi.org/10.1097/01.brs.0000261473.03274.5c

Wang, D. H., Ai, H. X., & Liao, W. H. (2009). A magnetorheological valve with both annular and radial fluid flow resistance gaps. *Smart Materials and Structures*, *18*(11), 115001. https://doi.org/10.1088/0964-1726/18/11/115001

Yoo, J.-H., & Wereley, N. M. (2004). Performance of a Magnetorheological Hydraulic Power Actuation System. *Journal of Intelligent Material Systems and Structures*, *15*(11), 847–858. https://doi.org/10.1177/1045389X04044536

Yu, J., Dong, X., Wang, X., Li, J., & Li, B. (2020). Design, modeling, and control of a magnetorheological rotary damper for scissor seat suspension. *Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering*, *234*(9), 2402–2416. https://doi.org/10.1177/0954407020903849

Zimmermann, C. L., Cook, T. M., & Rosecrance, J. C. (1997). Work-Related Musculoskeletal Symptoms and Injuries among Operating Engineers: A Review and Guidelines for Improvement. *Applied Occupational and Environmental Hygiene*, *12*(7), 480–484. https://doi.org/10.1080/1047322X.1997.10390031