

СПИСОК ЛІТЕРАТУРИ

1. Шабанов А.В., Шабанов А.А. Гибридные автомобили и новый этап экологической безопасности при совершенствовании конструкции автомобильных силовых установок: науч.-тех. сб. МГУПИ. — М.: Информатика и технология, 2012. — № 18. — С. 63–70
2. Ишлинский А.Ю. Мотор-колесо // Політехнічний словник / — 3-е вид., перероб. та доп. — М.: Вітчизняна енциклопедія, 1989. — 656 с.
3. Сычёв В.// Технологии. Транспорт. Американцы занялись сертификацией самолетного мотор-колеса. URL: <https://nplus1.ru/news/2017/01/10/wheel>
4. J. Voecker, Mechatronics and Electrical Drives, Lecture Script, Paderborn: University of Paderborn, 2012.
5. Механічний редуктор. URL: ru.wikipedia.org/wiki/Механический_редуктор
6. Amir Ahmed, Dikki D. Bhutia, " Propulsion System Design and Sizing of an Electric Vehicle", in International Journal of Electronics and Electrical Engineering, Volume 3, No. 1, February 2015.
7. Бесколекторные двигатели постоянного тока. Устройство бесколекторного двигателя. URL: <http://www.avislab.com/blog/brushless02/>
8. A. G. Ritchie. Recent development and future prospects for lithium rechargeable batteries. Journal of power Sources, Vol.96, No.1, (June 2001), pp.1-4, ISSN 0378-7753
9. Oriental Motor. AC & Brushless DC Speed Control Motor Systems URL: www.orientalmotor.com/products/ac-dc-speed-motors/index.htm, 2007.
10. Shao, J. Direct Back EMF Detection Method for Sensorless Brushless DC (BLDC) Motor Drives. Ph.D. Dissertation, Faculty of the Virginia Polytechnic Institute and the State University: Blacksburg, VA, USA, September 2003.
11. Joseph P. John, S. Suresh Kumar, B. Jaya, Space Vector modulation based Field Oriented Control Scheme for Brushless DC motors, Nagercoil, International Conference on Emerging Trends in Electrical and Computer Technology , 2011 P.C.

12. Krause, O. Wasynczuk, and S. D. Sudhoff. *Analysis of Electric Machinery and Drive Systems*. Wiley-Interscience, 2002.
13. H. Seki, K. Ishihara, and S. Tadakuma, Novel regenerative braking control of electric power-assisted wheelchair for safety downhill road driving, *IEEE Trans. Ind. Electron.*, 56 (5), (2009), pp. 1393–1400.
14. Padmaraja Yedamale, “Hands-on Workshop: Motor Control Part 4 -Brushless DC (BLDC) Motor Fundamentals,” Microchip AN885, 2003.
15. R.K. Pongiannan, and N. Yadaiah, “FPGA Based Three Phase Trapezoidal PWM VVVF Controller,” *IEEE ICEES (International Conference on Electrical Energy Systems)*, pp. 34-39, 2011.
16. Schlenger A., "Projektseminar WS 2012/2013 ,Mechatronik/Elektrische Antriebe," Paderborn, 2013.
17. R. Kelly, and J. Moreno. Learning PID structures in an introductory course of automatic control. *IEEE Transactions on Education*, Vol. 44, pp. 373-376, 2001.
18. Texas Instruments Incorporated, "Hardware Design Considerations for an Electric Bicycle Using a BLDC Motor", SLVA642–June 2014. Vol. 1, pp. 1-24.
19. Texas Instruments Incorporated, "Sensorless Trapezoidal Control of BLDC Motors", SPRABQ7A–July 2013–Revised September 2015. Vol. 1, pp. 5-39.