

บรรณานุกรม

- ปราโมทย์ เดชะอำไพ. (2542). **ไฟไนต์เอลิเมนต์ในงานวิศวกรรม** (พิมพ์ครั้งที่ 2). กรุงเทพฯ: จุฬาลงกรณ์มหาวิทยาลัย.
- ปราโมทย์ เดชะอำไพ. (2544). **ระเบียบวิธีเชิงตัวเลขในงานวิศวกรรม** (พิมพ์ครั้งที่ 3). กรุงเทพฯ: จุฬาลงกรณ์มหาวิทยาลัย.
- พิรศักดิ์ วรสุนทรโรสถ และ มาบุญชี มาการิชาวา. (2538). **เทคนิคการซ่อมแซมเลือกประเภทและติดตั้งมอเตอร์เหนี่ยวนำ**. กรุงเทพฯ: ซีเอ็ดดูเกชั่น.
- เผด็จ เผ่าละออ. (2548). **การออกแบบแนวใหม่ของมอเตอร์เหนี่ยวนำเพื่อลดการสั่นสะเทือนโดยวิธีไฟไนต์เอลิเมนต์**. วิทยานิพนธ์ดุษฎีบัณฑิต. สาขาวิชาวิศวกรรมไฟฟ้า มหาวิทยาลัยเทคโนโลยีสุรนารี.
- อานนท์ อิศรมงคลรักษ์. (2552). **การออกแบบอุปกรณ์กำลังสนามแม่เหล็กไฟฟ้าที่มีผลต่อผู้ปฏิบัติงานที่ทำงานได้สายส่งกำลังไฟฟ้าด้วยวิธีไฟไนต์เอลิเมนต์แบบ 3 มิติ**. วิทยานิพนธ์มหาบัณฑิต. สาขาวิชาวิศวกรรมไฟฟ้า มหาวิทยาลัยเทคโนโลยีสุรนารี.
- Alfredo, M. R., and Carlos, A. L. (1994). Magnetic vibration of three-phase induction motors supplied by inverters. **International Symposium on Industrial Electronics, IEEE**. 210-213.
- Alger, P. L. (1970). **Induction machines: their behavior and uses** (2nd ed.). New York: Gordon and Breach Publishers.
- Bickford, W. B. (1994). **A first course in the finite element method** (2nd ed.). USA: IRWIN.
- Belmans, R. J. M., D'Hondt, L., Vandenput, A. J., and Geysen, W. (1987). Analysis of the audible noise of three-phase squirrel-cage induction motors supplied by inverters. **IEEE Transactions on Industry Applications**. 23 (5): 842-847.
- Belmans, R. J. M., Verdyck, D., Geysen, W., and Findlay, R. D. (1991). Electro-mechanical analysis of the audible noise of an inverter-fed squirrel-cage induction motor. **IEEE Transactions on Industry Applications**. 27 (3): 539-544.
- Berman, M. (1993). On the reduction of magnetic pull in induction motors with off-centre rotor. **Industry Applications Society Annual Meeting, IEEE**. 1: 343-350.
- Brunelli, B., Casadei, D., Reggiani, U., and Serra, G. (1983). Transient and steady-state behaviour of solid rotor induction machines. **IEEE Transactions on Magnetics**. 19 (6): 2650-2654.

- Chapman, S. J. (1998). **Electric machinery fundamentals** (3rd ed.). Singapore: McGraw-Hill.
- Chari, M. V. K., and Silvester, P. P. (1980). **Finite elements in electrical and magnetic field problems**. New York: John Wiley & Sons.
- Cochran, P. L. (1989). **Polyphase induction motors: analysis, design, and application**. New York: Marcel Dekker.
- Davis, J. T., and Bryant, R. A. (1993). NEMA induction motor vibration measurement: a comparison of methods with analysis. **Petroleum and Chemical Industry Conference, Industry Applications Society 40th Annual, IEEE**. 205-209.
- Demerdash, N. A., and Gillott, D. H. (1974). A new approach for determination of eddy current and flux penetration in nonlinear ferromagnetic materials. **IEEE Transactions on Magnetism**. 74: 682-685.
- Dorrell, D. G. (1996). Calculation of unbalanced magnetic pull in small cage induction motors with skewed rotors and dynamic rotor eccentricity. **IEEE Transactions on Energy Conversion**. 11(3): 483-488.
- Dorrell, D. G., Thomson, W. T., and Roach, S. (1995). Analysis of airgap flux, current and vibration signals as a function of the combination of static and dynamic airgap eccentricity in 3-phase induction motors. **Industry Applications Conference, Thirtieth IAS Annual Meeting, IEEE**. 1: 563-570.
- Durantay, L., Laurent, F., Messin, Y., and Kromer, V. (1999). Large band reduction of magnetic vibrations of induction machines with “breaking of impedance” interface. **Electric Machines and Drives International Conference, IEEE**. 475-477.
- Finley, W. R. (1991). Noise in induction motors-causes and treatments. **IEEE Transactions on Industry Applications**. 27 (6): 1204-1213.
- Finley, W. R., Hodowanec, M. M., and Holter, W. G. (1999). An analytical approach to solving motor vibration problems. **Petroleum and Chemical Industry Conference, Industry Applications Society 46th Annual, IEEE**. 217-232.
- Fu, W. N. (1999). **Electromagnetic field analysis of induction motors by finite element method and its application to phantom loading**. Ph.D. Dissertation, Hong Kong Polytechnic University, China.

- George, A., and Liu, J. W. (1981). **Computer solution of large sparse linear positive definite systems**. Prentice-Hall.
- Guldemir, H. (2003). Detection of airgap eccentricity using line current spectrum of induction motors. **Electric Power Systems Research**. 64:109-117.
- Hameyer, K., and Belmans, R. (1999). **Numerical modelling and design of electrical machines and devices**. Southampton, Boston: WIT Press.
- Henneberger, G., Sattler, Ph. K., Hadrys, W., and Shen, D. (1992). Procedure for the numerical computation of mechanical vibrations in electrical machines. **IEEE Transactions on Magnetism**. 28 (2): 1351-1354.
- Hirotsuka, I., Tsuboi, K., and Ishibashi, F. (1997). Effect of slot-combination on electromagnetic vibration of squirrel-cage induction motor under loaded condition. **Power Conversion Conference-Nagaoka, IEEE**. 2: 843-848.
- Ho, S. L., Li, H. L., Fu, W. N., and Wong, H. C. (2000). A novel approach to circuit-field-torque coupled time stepping finite element modeling of electric machines. **IEEE Transactions on Magnetism**. 36 (4): 1886-1889.
- Huebner, K. H., Dewhurst, D. L., Smith, D. E., and Byrom, T. G. (2001). **The finite element method for engineers** (4th ed.). USA: John Wiley & Sons, Inc.
- Im, D. H., et al. (1997). Analysis of radial force as a source of vibration in an induction motor with skewed slots. **IEEE Transactions on Magnetism**. 33 (2): 1650-1653.
- Ishibashi, F., Noda, S., and Mochizuki, M. (1998). Numerical simulation of electromagnetic vibration of small induction motors. **IEE Proc.-Electr. Power Appl.** 145 (6): 1998.
- Ishibashi, F., Kamimoto, K., Noda, S., and Itomi, K. (2003). Small induction motor noise calculation. **IEEE Transactions on Energy Conversion**. 18 (3): 357-361.
- Kako, F., Tsuruta, T., Nagaishi, K., and Kohmo, H. (1983). Experimental study on magnetic noise of large induction motors. **IEEE Transactions on Power Apparatus and Systems**. 102 (8): 2805-2810.
- Kenjo, T. (1991). **Electric motors and their controls**. New York: Oxford University Press.
- Kim, B. T., Kwon, B. I., and Park, S. C. (1999). Reduction of electromagnetic force harmonics in asynchronous traction motor by adapting the rotor slot number. **IEEE Transactions on Magnetism**. 35 (5): 3742-3744.

- Kobayashi, T., Tajima, F., Ito, M., and Shibukawa, S. (1997). Effects of slot combination on acoustic noise from induction motors. **IEEE Transactions on Magnetics**. 33 (2): 2101-2104.
- Kulworawanichpong, T. (2003). **Optimising ac electric railway power flows with power electronic control**. Ph.D. Thesis, The University of Birmingham, UK.
- Kurihara, K., and Rahman, M. A. (2004). Transient Performance analysis for permanent-magnet hysteresis synchronous motor. **IEEE Transactions on Industry Applications**. 40 (1): 135-142.
- Kwon, Y. W., and Bang H. (2000). **The finite element method using MATLAB** (2nd ed.). Boca Raton: CRC Press.
- Mikami, H., Ide, K., Takahashi M., and Kajiwara, K. (1999). Dynamic harmonic field analysis of an inverter-fed induction motor for estimating harmonic secondary current and electromagnetic force. **IEEE Transactions on Energy Conversion**. 14 (3): 464-470.
- Munoz, A. R., and Araya, C. L. (1994). Magnetic vibration of three-phase induction motors supplied by inverters. **International Symposium on Industrial Electronics, IEEE**. 210-213.
- Nagwa, M. E., Anthony, R. E., and Graham, E. D. (1992). Detection of broken bars in the cage rotor on an induction machine. **IEEE Transactions on Industry Applications**. 28 (1): 165-171.
- Nau, S. L. (1997). The influence of the skewed rotor slots on the magnetic noise of three-phase induction motors. **Eighth International Conference on Electrical Machines and Drives, IEE**. 396-399.
- Neves, C. G. C., Carlson, R., Sadowski, N., and Bastos, J. P. A. (1998). A study on magnetic vibration sources identification in induction motors by FEM simulation and experimental procedures. **Industry Applications Conference, Thirty-Third IAS Annual Meeting, IEEE**. 1: 237-242.
- Preston, T. W., Reece, A. B. J., and Sangha, P. S. (1988). Induction motor analysis by time-stepping techniques. **IEEE Transactions on Magnetics**. 24 (1): 471-474.

- R. Carlson, C. A. da Silva, N. Sadowski, Y. Lefèvre, and M. Lajoie-Mazenc. (2002). The effect of the stator-slot opening on the interbar currents of skewed cage induction motor. **IEEE Transactions on Magnetics**. 38 (2): 1285-1288.
- Rao, J. S., (1999). **Dynamics of plates**. New Delhi: Narosa Publishing House.
- S. L. Ho, Shuangxia Niu, and W. N. Fu. (2010). A novel solid-rotor induction motor with skewed slits in radial and axial directions and its performance analysis using finite element method. **IEEE Transactions on Applied Superconductivity**. 20 (3): 1089-1092.
- S. L. Ho, W. N. Fu, H.C. Wong. (1999). Direct modeling of the starting process of skewed rotor induction motors using a multi-slice technique. **IEEE Transactions on Energy Conversion**. 14 (4): 1253-1258.
- S. L. Nau. (1997). The influence of the skewed rotor slots on the magnetic noise of three-phase Induction motors. **IEE Conference Publication**. 444: 396-399
- Sakamoto, S., Hirata, T., Kobayashi, T., and Kajiwara, K. (1999). Vibration analysis considering higher harmonics of electromagnetic forces for rotating electric machines. **IEEE Transactions on Magnetics**. 35 (3): 1662-1665.
- Salon, S. J. (1995). **Finite element analysis of electrical machines**. USA: Kluwer Academic Publishers.
- Shen, L. C., and Kong, J. A. (1995). **Applied electromagnetism** (3rd ed.). Boston: PWS Publishing Company.
- Silvester, P. P., and Ferrari, R. L. (1996). **Finite elements for electrical engineers** (3rd ed.). New York: Cambridge University Press.
- Tadashi Yamaguchi, Yoshihiro Kawase, and Shinya Sano. (2004). 3-D finite-element analysis of skewed squirrel-cage induction motor. **IEEE Transactions on Magnetics**. 40 (2): 969-972.
- Tarnhuvud, T., and Reichert, K. (1988). Accuracy problems of force and torque calculation in FEsystems. **IEEE Transactions on Magnetics**. 24 (1): 443-446.
- Timar, P. L., Fazekas, A., Kiss, J., Miklos, A., and Yang, S. J. (1989). **Noise and vibration of electrical machines**. Hungary: Elsevier Science Publishers.

- Vassent, E., Meunier, G., and Foggia, A. (1991). Simulation of induction machines-using complex magnetodynamic finite element method coupled with the circuit equations. **IEEE Transactions on Magnetics**. 27 (5): 4246-4249.
- Verma, S. P., and Balan, A. (1994). Determination of radial-forces in relation to noise and vibration problems of squirrel-cage induction motors. **IEEE Transactions on Energy Conversion**. 9 (2): 404-412.
- Vinay, K. I., and John, G. P. (2000). **Digital signal processing using MATLAB**. USA: Brooks/Cole Publishing Company.
- Wang, C., and Lai, J. C. S. (1999). Vibration analysis of an induction motor. **Journal of Sound and Vibration**. 224(4): 733-756.
- William, H. H., Jr. (1989). **Engineering electromagnetics** (5th ed.). Singapore: McGraw-Hill.
- Yacimini, R., and Chang, S. C. (1995). Noise and vibration from induction machines fed from harmonic sources. **IEEE Transactions on Energy Conversion**. 10 (2): 286-292.
- Yang, S. J. (1981). **Low-noise electrical motors**. New York: Oxford University Press.
- Yoshihiro Kawase, Tadashi Yamaguchi, Zhipeng Tu, Naotaka Toida, Norimoto Minoshima, and Kou Hashimoto. (2009). Effects of skew angle of rotor in squirrel-cage induction motor on torque and loss characteristics. **IEEE Transactions on magnetics**. 45 (3): 1700-1703.