

REFERENCES

- [1] D.W. Novotny, and T.A. Lipo, *Vector Control and Dynamics of AC Drives*, Oxford University Press, 1996.
- [2] M.P. Kazmierkowski, and H. Tunia, *Automatic Control of Converter-Fed Drives*, Elsevier, 1994.
- [3] I. Takahashi, and T. Noguchi, "A new quick-response and high-efficiency control strategy of an induction motor," *IEEE Transactions on Industry Application*, Vol. IA-22, pp. 820-827, Sep./Oct. 1986.
- [4] M. Depenbrock, "Direct self-control(DSC) of inverter-fed induction machine," *IEEE Transactions on Power Electronics*, Vol. 3, pp. 420-429, Oct. 1988.
- [5] L. Zhong, M. F. Rahman, W. Y. Hu, and K. W. Lim, "Analysis of direct torque control in permanent magnet synchronous motor drives," *IEEE Transactions on Power Electronics*, Vol. 12, pp. 528-536, May 1997.
- [6] H. D. Lee, S. J. Kang, and S. K. Sul, "Efficiency-optimized direct torque control of synchronous reluctance motor using feedback linearization," *IEEE Transactions on Industrial Electronics*, Vol. 46, pp. 192-198, Feb. 1999.
- [7] A. D. Cheok, and Y. Fukuda, "A new torque and flux control method for switched reluctance motor drives," *IEEE Transactions on Power Electronics*, Vol. 17, pp. 543-557, July 2002.
- [8] R. Datta and V. T. Ranganathan, "Direct power control of grid-connected wound rotor induction machine without rotor position sensors," *IEEE Transactions on Power Electronics*, Vol. 16, pp. 390-399, May 2001.
- [9] G. Escobar, A. M. Stankovic, J. M. Carrasco, E. Galvan, and R. Ortega, "Analysis and design of direct power control (DPC) for a three phase synchronous rectifier via output regulation subspaces," *IEEE Transactions on Power Electronics*, Vol. 18, pp. 823-830, May 2003.
- [10] T. Noguchi, H. Tomiki, S. Kondo, and I. Takahashi, "Direct power control of PWM converter without power-source voltage sensors," *IEEE Transactions on Industry Applications*, Vol. 34, pp. 473-479, May/June 2003.
- [11] D. Casadei, F. Profumo, and A. Tani, "FOC and DTC: two viable schemes for induction motors torque control," *IEEE Transactions on Power Electronics*, Vol. 17, pp. 779-787, Sept. 2002.
- [12] D. Casadei, G. Serra, and K. Tani, "Implementation of a direct control algorithm for induction motors based on discrete space vector modulation," *IEEE Transactions on Power Electronics*, Vol. 15, pp. 769-777, July 2000.
- [13] C. G. Mei, S. K. Panda, J. X. Xu, and K. W. Lim, "Direct torque control of induction motor-variable switching sectors," in *IEEE Proceedings of PEDS*, Vol. 1, pp. 80-85, 1999.

- [14] P. Titinen, and M. Surandra, "The next generation motor control method, DTC direct torque control," in *Proceedings IEEE International Conference Power Electronics, Drives and Energy Systems for Industrial Growth*, Vol. 1, pp. 37-43, 1996
- [15] G. Buja, D. Casadei, and G. Serra, "Direct stator flux and torque control of an induction motor: theoretical analysis and experimental results," in *IEEE Proceedings of IECON*, Vol. 1, pp. T50-T64, 1998.
- [16] T. G. Habetler, F. Profumo, M. Pastorelli, and L. M. Tolbert, "Direct torque Control of induction machines using space vector modulation," *IEEE Transactions on Industry Applications*, Vol. 28, pp. 1045-1053, Sept./Oct. 1992.
- [17] M. P. Kazmierkowski, and A. B. Kasprowicz, "Improved direct torque and flux vector control of PWM inverter-fed induction motor drives," *IEEE Transactions on Industry Electronics*, Vol. 4, pp. 344-350, Mar./Apr. 1995.
- [18] J. Maes, and A. Melkebeek, "Speed-sensorless direct torque control of induction motors using an adaptive flux observer," *IEEE Transactions on Industry Applications*, Vol. 33, pp. 778-785, May/June 2000.
- [19] L. Tang, and M.F. Rahman, "A new direct torque control strategy for flux and torque ripple reduction for induction motors drive-a Matlab/Simulink model," in *IEEE Proceedings of Electric Machines and Drives*, Vol. 1, pp. 884-890, 2001.
- [20] N. R. N. Idris, and A. H. M. Yatim, "An improved stator flux estimator in steady-state operation for direct torque control of induction machines," *IEEE Transactions on Industry Applications*, Vol. 38, pp. 110-116, Jan./Feb. 2002.
- [21] C. Lascu, I. Boldea, and F. Blaabjerg, "A modified direct torque control for induction motor sensorless drive," *IEEE Transactions on Industry Applications*, Vol. 36, pp. 122-130, Jan./Feb. 2000.
- [22] G. S. Buja, and M. P. Kazmierkowski, "Direct torque control of PWM inverter-fed AC motors-A survey," *IEEE Transactions on Industrial Electronics*, Vol. 51, pp. 192-198, Aug. 2004.
- [23] P. Vas, *Sensorless Vector and Direct Torque Control*, Oxford University Press, 1998.
- [24] D. Casadei, G. Serra, and A. Tani, "Analytical investigation of torque and flux ripple in DTC schemes for induction motors," in *IEEE Proceedings of IECON*, Vol. 2, pp. 552-556, 1997.
- [25] D. Casadei, G. Serra, A. Tani, L. Zarri, and F. Profumo, "Performance analysis of a speed-sensorless induction motor drive based on a constant-switching-frequency DTC scheme," *IEEE Transactions on Industry Applications*, Vol. 39, pp. 476-484, March/April 2003.
- [26] C. A. Martins, X. Roboam, T. A. Meynard, and A. S. Carvalho, "Switching frequency imposition and ripple reduction in DTC drives by using a multilevel converter," *IEEE Transactions on Power Electronics*, Vol. 17, pp. 286-297, March 2002.

- [27] A. Benabdelghani, C. A. Martins, X. Roboam, and T. A. Meynard, "Use of extra degrees of freedom in multilevel drives," *IEEE Transactions on Industrial Electronics*, Vol. 49, pp. 965-977, Oct. 2002.
- [28] C. Lascu, and A. M. Trzynadlowski, "Combining the principles of sliding mode, direct torque control, and space-vector modulation in a high-performance sensorless AC drives," *IEEE Transactions on Industry Applications*, Vol. 40, pp. 170-177, Jan./Feb. 2004.
- [29] Y. S. Lai, and J. H. Chen, "A new approach to direct torque control of induction motor drives for constant inverter switching frequency and torque ripple reduction," *IEEE Transactions on Energy Conversion*, Vol. 16, pp. 220-227, Sept. 2001.
- [30] T. Noguchi, M. Yamamoto, S. Kondo, and I. Takahashi, "Enlarging switching Frequency in direct torque-controlled inverter by means of dithering," *IEEE Transactions on Industry Applications*, Vol. 35, pp. 1358-1366, Nov./Dec. 1999.
- [31] M. E. Haque, L. Zhong, and M. F. Rahman, "A sensorless initial rotor position Estimation scheme for a direct torque controlled interior permanent magnet synchronous motor drive," in *Proceedings IEEE International Conference Electric Machines and Drives*, Vol. 1, pp. 814-819, 2001.
- [32] P.Z. Grabowski, M. P. Kazmierkowski, B. K. Bose, and F. Blaabjerg, "A simple direct-toque neuro-fuzzy control of PWM-inverter-fed induction motor drive," *IEEE Transactions on Industrial Electronics*, Vol. 47, pp. 863-870, Aug. 2000.
- [33] L. Tang, L. Zhong, A.F.Rahman, and Y. Hu, "An investigation of a modified direct torque control strategy for flux and torque ripple reduction for induction machine drive system with fixed swiching frequency," in *Conference Record IEEE IAS Annual Meeting.*, vol. 2, 2002, pp. 837-844.
- [34] J. Zhang, and M.F.Rahman, "Analysis and design of a novel direct flux control scheme for induction machine," in *IEEE Proceedings of Electric Machines and Drives*, Vol. 1, pp. 426-430, 2005.
- [35] J.Hu and B. Wu, "New integration algorithms for estimating motor flux over a wide speed range," *IEEE Transactions on Power Electronics*, vol. 13, pp. 969-977, Sept. 1998.