

Bibliografía

- [1] H.W. Van der Broeck, J.D. Van Wyk, "A comparative investigation of three-phase induction machine drive with a component minimized voltage fed inverter under different control options", *IEEE Trans. Ind. Appl.*, Vol. IA-20, No.2, March/April 1984, pp. 309-320.
- [2] William McMurray, "Modulation of the chopping frequency in dc choppers and PWM inverters having current hysteresis controller", *IEEE Trans. Ind. Appl.*, Vol. IA-20, No.4, July/August 1984, pp.763-768.
- [3] P. N. Enjeti, Ashek Rahman, ranjit Jakkli, "Economic single-phase to three-phase converter topologies for fixed and variable frequency output", *IEEE Trans. on Power Elect.*, Vol.8, No.3, Jul 1993, pp. 329-335.
- [4] J.F. Eastham, A. R. Daniel, R.T. Lipcynski, "A novel power inverter configuration", in *proc. IEEE IAS '80*, pp. 748-751.
- [5] Frede Blaabjerg, *et al.*, "A new optimized space vector modulation strategy for a minimized voltage source inverter", *IEEE Trans. Power Elect.*, Vol.12, No.4, July 1997, pp. 704-714.
- [6] C.B. Jacobina, E.R. C. Da Silva, *et al.*, "Vector and Scalar control of a Four switch three phase inverter", *Proc. IEEE IAS '95*, pp. 2422-2429.
- [7] M.B.R. Correa, C.B. Jacobina, *et al.*, "A new approach to generate PWM for four switch three phase inverters", *Power Elect. Specialists. Conference PESC 99*, 30th Annual IEEE, Vol. 2, 1999, pp. 941-946.
- [8] Darwin T.W. Liang, "Novel modulation strategy for a four switch three phase inverter", *Proc. Power Elect. and Drive Systems*, Vol. 2, 1997, pp.817-822.
- [9] Darwin T.W. Liang, Jiang Li, "Flux vector modulation strategy for a four switch three inverter for motor drive applications", *PESC '97*, 28th Annual IEEE, Vol. 1, 1997, pp. 612-617.
- [10] Mohamed Azab, A.L. Orille, G. Sarhan, "Direct torque Control for a component minimized voltage source inverter", *Seminario Anual de Automática, Electrónica Industrial e Instrumentación*, SAAEI 2000, Terrassa-Spain, 13-15 Sept. 2000, pp. 185-188.
- [11] Frede Blaabjerg, *et al.*, "Re construction of output currents and fault detection in a B4-inverter with only one current sensor", *IEEE Ind. Appl. Conf.*, Vol. 1, 1998, pp. 759-766.
- [12] G.A. Covic, G.L. Peters, J.T. Boys, "An improved single phase to three phase converter for low cost ac motor drives", *Proc. Of PEDS '95*, Singapore, Vol. 1, 1995, pp. 549-554.
- [13] G.T.Kim, T.A. Lipo, "VSI-PWM Rectifier/Inverter system with a reduced switch count", *Trans. On Ind. Appl.*, Vol. 32, No. 6, Nov/Dec 1996, pp. 1331-1337.

- [14] J.S. Larsen, K. Jespersen, *et. al.*, “Control of a complete digital based component minimized single-phase to three phase AC/DC/AC converter “, *IEEE*, 1998, pp. 618-625.
- [15] Frede Blaabjerg, *et. al.*, “ Adaptive SVM to compensate DC-link voltage ripple for Four-Switch Three-Phase voltage-source Inverters “, *IEEE Trans. On Power Elect.*, Vol. 14, July 1999, No. 4, pp. 743-752.
- [16] Keiju Matsui, Yoshihiro Murai, *et. al.*, “A pulse width Modulated Inverter with Parallel Connected Transistors Using Current-Sharing Reactors “, *IEEE Trans. On Power Elect.*, Vol. 1, April 1993, No. 2 , pp. 186-191.
- [17] E. Cengelci, S.U. Sulistijo, *et. al.*, “ A new medium voltage PWM inverter topology for adjustable speed drives”, *IEEE IAS Annula Meeting*, Vol. 2, 1998, pp. 1416-1423.
- [18] E. Cengelci, S.U. Sulistijo, *et. al.*, “ A new medium voltage PWM inverter topology for adjustable speed drives”, *IEEE Trans. On Ind. Appl.* , Vol. 35, May/June 1999, No. 3, pp. 628-637.
- [19] H. Fujita, H. Akagi, “A practical approach to harmonic compensation in power systems- series connection of passive and active filters “, *IEEE Trans. Ind. Appl.*, Vol. 27, 1991, no. 6, pp. 1020-1025.
- [20] A. M. Trzynadlowski, *et. al.* , “ The tandem inverter: combining the advantages of voltage-source and current-source inverters “, *in Proc. APEC '98 , Anaheim, California*, pp. 315-320.
- [21] A. M. Trzynadlowski, Frede Blaabjerg, *et. al.*,”A tandem inverter for high-performance AC drives “, *IEEE 3rd IAS Annual Meeting*, Vol. 1, 1998, pp. 500-505.
- [22] D. Casadei, G. Serra, A. Tani, “ The use of matrix converters in direct torque control of induction machines “, *in Proc. IECON 1998*, Vol.2 , pp. 744-749.
- [23] D. M. Divan, “ The resonant dc link inverter- A new concept in static power conversion “, *IEEE- IAS Annula conf. Rec.*, 1986, pp. 648-656.
- [24] D. M. Divan, G. Skibinski,”Zero switching loss inverters for high power applications “, *IEEE- IAS Annual Conf. Rec.*, 1987, pp. 627-634.
- [25] P. K. Sood, T.A. Lipo, “ Power conversion distribution system using a high frequency AC link “, *IEEE-IAS Conf. Rec.* , 1986, pp. 533-541.
- [26] Y. Murai, T.A. Lipo, “ High Frequency series resonant dc link power conversion “, *IEEE-IAS Annual Conf. Rec.*, 1988, pp. 772-779.
- [27] A. Mertens, D. M. Divan, “ A high frequency resonant dc link inverter using IGBTs “, *in IPEC*, Tokyo, Japan, 1990, pp. 152-160.
- [28] S. Chen, T. A. Lipo, “ A passively clamped quasi resonant dc link inverter “, *in IAS Annual Conf. Rec.*, Vol.2, 1994, pp. 841-848.

- [29] S. Chen, T. A. Lipo, “ A Novel soft-switched PWM inverter for AC motor drive “, *IEEE Trans. on Power Elect.*, Vol. 11, July 1996, No.4, pp. 653-659.
- [30] L. Malesani, P. Tani, *et. al.*, “ High Efficiency Quasi-Resonant DC link three-phase power inverter for full range PWM “, *IEEE Trans. on Ind. Appl.*, Vol. 31, Jan/Feb 1995 , No. 1, pp. 141-147.
- [31] Jin He, Ned Mohan, “ Parallel resonant dc link circuit- A novel zero switching loss topology with minimum voltage stresses”, *IEEE Trans. on Power Elect.*, Vol. 6, Oct. 1991, No. 4 , pp. 687-694.
- [32] J. G. Cho, H. S. Kim, G. H. Cho, “ Novel soft switching PWM inverter using a new parallel resonant dc-link “, *IEEE PESC Rec.*, 1991, pp. 241-247.
- [33] Y. Wan, H.L. Liu, *et. al.*, “ Program-controlled soft switching PRDCL inverter with new space vector PWM algorithm,” *IEEE PESC Rec.*, 1992, pp. 313-319.
- [34] J. He, N. Mohan, B. Wold, “ Zero-voltage switching pwm inverter for high frequency dc-ac power conversion “, *IEEE trans. Ind. Appl.*, Vol. 29, 1993, No. 5, pp. 959-968.
- [35] Y. C. Jung, G. H. Cho, “ Quasi-parallel resonant dc link inverter with improved PWM capability “, *Elect. Letters* , Vol. 30, Oct. 1994, No. 22, pp. 1827-1828.
- [36] Y. C. Jung, H. L. Liu, G. H. Cho, “ Soft switching space vector PWM inverter using a new quasi-parallel resonant dc link “, *IEEE Trans. on Power Elect.*, Vol. 11, May 1996, No.3, pp. 503-511.
- [37] Jong-Woo Choi, Seung-Ki Sul, “ Resonant Link Bidirectional Power Converter: Part I- Resonant Circuit “, *IEEE Trans. on Power Elect.*, Vol. 10, July 1995, No. 4, pp.479-484.
- [38] S. Chen, T. A. Lipo, “ A passively clamped quasi-resonant dc link inverter “, *in IAS Ann. Conf. Rec.*, Vol. 2, 1994, pp. 841-848.
- [39] S. Chen, T. A. Lipo, “ A novel Soft-Switched PWM Inverter for AC Motor Drives “, *IEEE, Trans. on Power Elect.*, Vol. 11, July 1996, No. 4, pp. 653-659.
- [40] J. J. Jafar, B. G. Fernandes, “ A new quasi-resonant dc link PWM inverter using single switch for soft switching”, *APEC '99, 14th annual meeting*, Vol. 2, 1999, pp. 1291-1297.
- [41] M. D. Bagewadi, B. G. Fernandes, R.V.S. Subrahmanyam , “ A novel QRDCL circuit for zero voltage switched inverter “, *IEEE Proc. ISCAS*, Vol. 6, 1999, pp. 109-112.
- [42] S. Y. R. Hui, E. S. Gogani, J. Zhang, “Analysis of a quasi-resonant circuit for soft switched inverters “, *IEEE Trans. Power Elect.* , Vol. 11, 1996, No. 1 , pp. 106-114.
- [43] J. J. Jafar, B. G. Fernandes, “ A quasi-resonant dc link PWM inverter for induction motor drive “, *IEEE Ind. Appl. Conf. 1999*, Vol. 3, pp. 1997-2002.
- [44] A. S. Ba-Thunya, H. A. Toliyat , “ A new high frequency transformer assisted ZVS quasi-resonant dc link PWM inverter with minimum voltage stress on the switches “, *IECON '99, Proc., The 25th Ann. Conf. Of IEEE*, Vol. 2, 1999, pp. 879-884.

- [45] Yie-Tone Chen, "A New quasi-parallel Resonant dc link for soft switching PWM Inverters " , *IEEE Trans. on Power Elect.* , Vol. 13, May 1998, No. 3, pp. 427-435.
- [46] A. S. Ba-Thunya, S. K. Pillai, D. Prasad, " A novel ZVS quasi-resonant dc link PWM inverter with minimum voltage stress across the switches " , *PESC '98, Conf. Rec. 1998*, pp. 409-415.
- [47] Y. Murai, K. Adachi, H. Ishikawa, "A simple control new soft switched PWM Inverter " , *Ind. Appl. Conf., 1998, 33rd Ann. Meeting*, Vol. 2, 1998, pp. 1307-1312.
- [48] R. Krishnan, A. S. Bharadwaj, " A Review of Parameter sensitivity and adaptation in indirect vector controlled induction motor drive system " , *IEEE Trans. on Power Elect.*, Vol. 6, Oct. 1991, No. 4 , pp. 695-703.
- [49] F. Blaschke , " The principle of field orientation as applied to the new transvector closed loop control for rotating machines", *Siemens Review*, Vol 30, 1972, no. 5, pp. 217-220.
- [50] R. De Doncker , D. W. Novotny, " The universal field oriented controller " , in *IEEE –IAS Annual Meeting , Conf. Rec.*, Oct. 1988, pp. 450- 456.
- [51] Li Yongdong, Shao Jianwen, Si Baojun, " Direct torque control of induction motor for low speed drives considering discrete effects of control and dead time of inverter " , *IAC, Annual Meeting, IAS '97*, Vol. 1, 1997, pp. 781-788.
- [52] M. Akiyama, K. Kobayashi, *et. al.*, " Auto tuning method for vector controlled induction motor drives " , in *IPEC- Yokohama Conf., Rec.*, 1995, pp. 789-794.
- [53] T. Noguchi, S. Kondo, I. Takahashi, " Robust torque control of induction motor against variations of primary and secondary resistances " , in *IPEC- Tokyo Conf. Rec.*, Yokohama, Japan, 1995, pp. 1163-1168.
- [54] T. Noguchi, S. Kondo, I. Takahashi, " Field oriented control of an induction motor with robust on line tuning of its parameters " , *IEEE Trans. on Ind. Appl.*, Vol. 33, Jan/Feb. 1997 , No. 1, pp. 35- 42.
- [55] J. Stephan, M. Bodson, J. Chiasson, " Real time estimation of the parameters and fluxes of induction motors " , *IEEE Trans. Ind. Appl.*, Vol. 30, May/June 1994, pp. 746-759.
- [56] A. G. Cerrada, J.L. Zamora, " On line rotor resistance estimation for induction motors " , in *Proc. EPE '97*, Vol. 1, Norway, Sept. 1997, pp. 542-547.
- [57] D. J. Atkinson, *et. al.* " Estimation of rotor resistance in induction motors " , *Proc. IEE-Elect. Power Appl.*, Vol. 143, Jan. 1996 , No. 1, pp. 87-94.
- [58] J. Holtz, " Identification of machine parameters in a vector controlled induction machine drive" , *IEEE Trans. Ind. Appl.* , Vol. 27, 1991, No. 6 , pp. 1111-1118.
- [59] I. Takahashi, T. Noguchi, "A new quick response and High efficiency control strategy of an induction motor " , *IEEE Trans. On Ind. Appl.*, Vol. IA-22, No.5, Sept./Oct. 1986, pp. 820-827.
- [60] M. Depenbrock, " Direct self control (DSC) of inverter fed induction machine " , *IEEE Trans. Power Elec.*, Vol. 3 , 1988, No. 4, pp. 420-429.

- [61] M. P. Kazmierkowski, A. B. Kasprowicz, “ Improved Direct Torque Control and flux vector control of PWM Inverter-fed induction motor drives “ , *IEEE Trans. on Ind. Elect.*, Vol. 42, August 1995, No. 4, pp. 344-350.
- [62] I. G. Bird, H. Z. De la Parra, “ Practical evaluation of two stator flux estimation techniques for high performance Direct Torque Control “ , *Power Elect. And Variable Speed Drives, Inter. Conf.*, Sept. 1996 , pp. 465-470.
- [63] S. Mir, M. Elbuluk, D. Zinger, “ PI and Fuzzy estimators for tuning the stator resistance in direct torque control of induction machines “ , *IEEE 1994, PESC Rec.*, pp. 744-751.
- [64] T. G. Habetler, F. Profumo, *et. al.*, “ Stator Resistance tuning in a stator flux field oriented drive using an instantaneous hybrid flux estimator “ , *IEEE Trans. on Power Elect. ,* Vol. 13, Jan. 1998, No.1, pp. 125-133.
- [65] Hu Yu Wen, Tang Lixin, “ A resistor on line fuzzy observer of induction motor direct torque control (DTC) system “ , *IPEMC '94, 1994*, pp. 715-720.
- [66] B. K. Bose, N. R. Patel, “Quasi-Fuzzy estimation of stator resistance of induction motor” , *IEEE Trans. on Power Elect. ,* Vol. 13, May 1998, No. 3 , pp. 401-409.
- [67] S. Mir, M. Elbuluk, D. Zinger, “ PI and Fuzzy estimators for tuning the stator resistance in direct torque control of induction machines “ , *IEEE Trans. on Power Elect. ,* Vol. 13, 1998, No. 2, pp. 279-287.
- [68] J.L. Zamora, A. G. Cerrada , “ On line estimation of the stator parameters in an induction motor using only voltage and current measurements “ , *IEEE Trans. on Ind. Appl. ,* Vol. 36, May/June, 2000, No. 3, pp. 805-816.
- [69] E. Akin, H.B. Ertan, M. Y. Uctug., “ A method for stator resistance measurement suitable for vector control “ , *IECON '94 ,* 5-9 Sept. 1994, Vol. 3, pp. 2122-2126.
- [70] L. Umanand, S. R. Bhat, “ On line estimation of stator resistance of an induction motor for speed control applications “ , *IEE Proc. , Elect. Power Appl. ,* Vol. 142, March 1995, No. 2 , pp. 97-103.
- [71] Beyeong-Seok Lee, R. Krishnan, “ Adaptive stator resistance compensator for high performance direct torque control controlled induction motor drives “ , *Proc. of IA Conf.*, Vol. 1, 12-15 Oct 1998, pp. 423-430.
- [72] F. Bonanno, A. Consoli, A. Raciti, A. Testa, “ An innovative direct self control scheme for induction motor drives “ , *IEEE Trans. On Power Elect. ,* Vol. 12, 1997, No. 5, pp. 800-806.
- [73] P. Tiitinen, “ The next motor control method, DTC, direct Torque control “ , *PEDES, 1996*, pp. 37-43.
- [74] I. Takahashi, T. Noguchi, “A new quick response and High efficiency control strategy of an induction motor “ , *IEEE IAS Meeting, 1985*, pp. 496-502.
- [75] I. Takahashi, Y. Ohmori, “ High performance direct torque control of an induction machine “ , *IEEE Trans. on Ind. Appl.*, Vol. 25, March/April 1989, No. 2, pp. 257-264.

- [76] A. M. Walczyna, R. J. Hill, "Space vector PWM strategy for 3-Level inverter with direct self control", *5th European Conf. On Power Elect. And Appl.* 93, Vol. 4, 1993, No. 377, pp. 152-157.
- [77] D. Casadei, G. Serra, A. Tani, "The use of matrix converters in direct torque control of induction machines", *IECON '98, Proc. of the 24th Annual Conf. Of IEEE*, Vol. 2, 1998, pp. 744-749.
- [78] S. A. Mir, Malik E. Elbuluk, D. S. Zinger, "Fuzzy Implementation of Direct Self Control of Induction Machines", *IEEE Trans. on Ind. Appl.*, Vol. 30, May/June 1994, No. 3, pp. 729-735.
- [79] S. A. Mir, M. E. Elbuluk, "Precision Torque Control in inverter fed induction machines", *Record of IAS Annual Meeting 1995*, pp. 394-401.
- [80] I. G. Bird, H. Zelaya de La Parra, "Fuzzy logic torque ripple reduction for DTC based AC drives", *Elect. Letters.*, Vol. 33 17, 1997, pp. 1501-1502.
- [81] T. Habetler, F. Profumo, *et. al.* "Direct torque control of induction machines using space vector modulation", *in Conf. Rec. Of IEEE Ind. Appl. Soc., Ann. Meeting.* Vol. 1, 1991, pp. 428-435.
- [82] T. Habetler, F. Profumo, M. Pastorelli, "Direct Torque Control of induction machine over a wide speed range", *IEEE Trans. on Ind. Appl.*, Vol. 28, Sept./Oct. 1992, No. 5, pp. 1045-1053.
- [83] G. Griva, T. Habetler, *et. al.* "Performance evaluation of a direct torque controlled drive in the continous PWM square wave transition region", *IEEE Trans. on Power Elect.*, Vol. 10, July 1995, pp. 464-471.
- [84] G. Griva, F. Profumo, "Wide speed range DTC drive performance with new flux weakening control for induction motor drives", *Power Elect. Specil. Conf. PESC ' 98*, Vol. 2, 1998, pp. 1599-1604.
- [85] C. Attaianese, F. Parillo, *et. al.*, "A SVM algorithm for torque control of inverter fed induction motor drive", *IEMD '99*, pp. 454-456.
- [86] K. D. Hurst, T. Habetler, *et. al.* "Zero-speed tacholess IM torque control: simply a matter of stator voltage integration", *IEEE Trans. on Ind. Appl.*, Vol. 34 4, July/Aug. 1998, pp. 790-795.
- [87] C. Lascu, I. Boldea, F. Blaabjerg, "A modified direct torque control (DTC) for induction motor sensorless drive", *Ind. Appl. Conf.*, Vol. 1, 1998, pp. 415-422.
- [88] C. Lascu, I. Boldea, F. Blaabjerg, "A modified direct torque control for induction motor sensorless drive", *IEEE Trans. on Ind. Appl.*, Vol. 36 1, 2000, pp. 122-130.
- [89] J. Maes, J. Melkebeek, "Speed sensorless direct torque control of induction motors using an adaptive flux observer", *Conf. Rec. IAC, 34th Annual Meeting IEEE*, October 1999, USA.

- [90] D. Casadei, G. Serra, A. Tani, "Improvement of direct torque control performance by using a discrete SVM technique", *Conf. Rec. PESC '98, Annual Meeting IEEE*, Vol. 2, 1998, pp. 997-1003.
- [91] J. Maes, J. Melkebeek, "Discrete time direct torque control of induction motors using back-emf measurement", *Conf. Rec. IAC '98, Annual Meeting IEEE*, Oct. 1998, USA, pp. 407-414.
- [92] M. P. Kazmierkowski, A. B. Kasprowicz, "Improved direct torque control and flux vector control of PWM inverter fed induction motor drives", *IEEE Trans on Ind. Appl.*, Vol. 42, 1995, No. 4, pp. 344-350.
- [93] T. Noguchi, I. Takahashi, "High frequency switching operation of PWM inverter for direct torque control of induction motor", *in Conf. Rec. IEEE-IAS*, Vol. 1, 1997, pp. 775-780.
- [94] Jun-Koo Kang, Seung-Ki Sul, "New direct torque control of induction motor for minimum ripple and constant switching frequency", *Trans. Ind. Appl. IEEE*, Vol. 35, 1999, No. 5, pp. 1076-1082.
- [95] J.K. Kang, D.W. Chung, S.K. Sul, "Direct torque control of induction machine with variable amplitude control of flux and torque hysteresis bands", *in Conf. Rec. IAS-IEEE*, 1999, pp.640-642.
- [96] N.R:N. Idris, A.H.M. Yatim, "Reduced Torque Ripple and constant torque switching frequency strategy for direct torque control of induction machine", *in Conf. Rec. IEEE*, 2000, pp. 154-161.
- [97] Jun-Koo Kang, Seung-Ki Sul, "Torque ripple minimization strategy for direct torque control of induction motor", *in Conf. Rec. IEEE-IAS*, Vol.1, 1998, pp. 438-443.
- [98] P. Mutschler, E. Flach, "Digital Implementation of predictive direct control algorithms for induction motors", *in Conf. Rec. Ind. Appl., IAS-IEEE Ann. Meeting*, Vol. 1, 1998, pp. 444-451.
- [99] C. Attaianesi, N. Locci, *et. al.*, "A direct torque control algorithm imposing the mechanical response of speed controlled induction motor drives", *ISIE '96, Proc. of IEEE Ind. Elect.*, Vol. 1, 1996, pp. 157-162.
- [100] C. Attaianesi, S. Meo, A. Perfetto, "A voltage feeding algorithm for direct torque control of induction motor drives using state feedback", *Proc. of IECON '98, Ind. Elect. Soc. Ann. Conf. of IEEE*, Vol. 2, 1998, pp. 586-590.
- [101] C. Lascu, I. Boldea, F. Blaabjerg, "The Torque vector controlled (TVC) universal AC drive, implementation aspects", *OPTIM '98, Conf. Proc.*, Vol. 2, 1998, pp. 369-374.
- [102] C. Attaianesi, G. Tomasso, A. Perfetto, *et. al.*, "Voltage vectorial control of an induction motor drive", *ISIE '98, Symposium Proc.*, Vol. 1, 1998, pp. 283-288.
- [103] C. Attaianesi, V. Nardt, A. Perfetto, G. Tomasso, "Vectorial torque control: a novel approach to torque and flux control of induction motor drives", *IEEE Trans. on Ind. Appl.*, Vol. 35, Dec. 1999, No. 6, pp. 1399-1405.

- [104] F. Neves, B. Menezes, S. Silva, “ Discrete-time sliding mode control: a new design strategy applied to induction motor drives “, *Proc. of the ACC '98* ,Vol. 1, 1998, pp. 125-130, Philadelphia-USA.
- [105] F. Neves, T. G. Habetler, B.R. Menezes, S.R. Silva, “ Induction motor DTC strategy using discrete time sliding mode control “ , *COPEP '99, 19-23 sept.* 1999, Brazil, pp. 78-85.
- [106] H.W. Van der Broeck, H.C. Skudelny, “ Analytical Analysis of the Harmonic Effects of a PWM AC drive “, *IEEE Trans. on Power Electr.* ,Vol. 3, April 1988, No. 2, pp. 216-223.
- [107] J. Dixon, S. Tepper, L. Moran, “ Practical evaluation of different modulation techniques for current-controlled voltage source inverters “, *IEE Proc. Elect. Power Appl.*, Vol. 143, July 1996, No. 4, pp. 301-306.
- [108] W. McMurray, “ Modulation of the chopping frequency in dc choppers and PWM inverters having current hysteresis controllers “ , *IEEE Trans. Ind. Appl.* , Vol. 20, 1984 , pp. 763-768.
- [109] Mohamed Azab, A.L. Orille, “Novel flux and torque control of Induction motor drive using Four Switch Three Phase Inverter” , *IEEE Industrial Electronics Society Conf. IECON' 01* , 29 Nov-2 Dec 2001, Denver, USA , pp. 1268-1273.
- [110] Mohamed Azab, A.L. Orille, “ Implementation of Direct Torque Control of AC drive with Synchronized notched dc Link Voltage “ , *IEEE Industrial Electronics Society Conference IECON' 01* , 29 Nov-2 Dec 2001, Denver, USA , pp. 1280-1284.
- [111] Mohamed Azab, A.L. Orille, “ High Performance of Direct Torque Control of Induction motor drive Based on Parallel Resonant Inverter “ , *IEEE Industrial Electronics Society Conference IECON' 01* , 29 Nov-2 Dec 2001, Denver, USA , pp. 1262-1267.
- [112] Peter Vas, “Sensorless vector and torque control”, Oxford university press, 1998.
- [113] G. Buja, D. Casadei, G. Serra, ”Direct torque control of induction motor drives”, IEEE Industrial Electronics Conference, ISIE'97, vol. 1, pp. Tu2-Tu8.
- [114] N. Idris, A.M. Yatim, “Implementation of direct torque control of induction machine utilising TM320C31 DSP”, IEEE International symposium on signal processing & its application, ISSPA, pp. 627-630, August 2001.
- [115] Y. Murai *et al.* , “ High frequency split zero-vector PWM with harmonic reduction for induction motor drive” , IEEE Transaction on Industry Applications, vol. 28, no.1, pp.105-112, 1992.
- [116] D.W. Chung, S.K. Sul, ”Analysis and compensation of current measurement error in vector-controlled AC motor drives”, IEEE Transaction on Industry Applications, vol. 34, no.2, pp. 340-345, March/Aprill, 1998.
- [117] D. Casadei, *et al.*, “Effects of flux and torque hysteresis band amplitude in DTC of induction machines” , IEEE industrial electronics conference, IECON'94, vol. 1, pp. 299-304, 1994.

- [118] D. Casadei *et al.*, “Steady state & transient performance evaluation of a DTC Scheme in low speed range”, IEEE Transaction on Power Electronics, vol.16, no. 6, pp. 846-851, Nov. 2001.
- [119] J.K. Kang, S.K. Sul, ”Analysis & prediction of inverter switching frequency in DTC of induction machine based on hysteresis bands and machine parameters”, IEEE Transaction on Industrial Electronics, vol. 48, no. 3, pp. 545-553, June 2001.
- [120] Y.A Chapuis, D. Roze, “DTC & current limitation method in start up of an induction machine”, IEE conf. on Power electronics & variable speed drives, pp. 451-455, 1998.
- [121] J. Chen, L. Yongdong, “Virtual vector based predictive control of torque and flux of induction motor and speed sensorless drives,” IEEE IAS '99, vol. 4, pp. 2606-2613.
- [122] G.L. Peters, G.A. Covic, “ DC link imbalance compensation in four switch inverter AC motor drives “, IEE Electronics letters, vol. 33, no. 13, pp. 1101-1102, June 1997.
- [123] G.L. Peters, G.A. Covic, J.T. Boys ,”Eliminating output distortion in four switch inverters with three-phase loads”, IEE Proceedings Electr. Power Appl. , vol. 145, no. 4, pp. 326-332, July 1998.
- [124] E. Ledezma, A.M. Garcia, T.A. Lipo, “A Dual three-phase drive system with a reduced switch count ”, IEEE Transaction on Industry Applications, vol. 37, pp. 1325-1333, sept/oct 2001.
- [125] H. Zhang, A.V. Jouanne, “ A Reduced switch dual bridge inverter topology for the mitigation of bearing currents, EMI and DC-link voltage variations”, IEEE IAS Conference'99, vol. 3, pp. 1945-1949, 1999.
- [126] J. Yao, T.L. Lipo, “A Novel soft switching inverter with ZCS-ZVS features”, IEEE PESC'01 Conference, vol. 2, pp. 1141-1146, 2001.
- [127] G. Guidi, H. Umida, “A Novel stator resistance estimation method for speed sensorless induction motor drives”, IEEE Transaction on Industry Applications, vol. 36, no. 6, pp. 16190-1627, Nov/Dec 2000.
- [128] E. D. Mitronikas, A.N. Safacas, E.C. Tatakis, “A New stator resistance tuning methd for stator flux oriented vector controlled induction motor drive”, IEEE Transaction on Industrial Electronics, vol. 48, no. 6, pp. 1148-1157, Dec 2001.
- [129] Y. S. Lai, J. H. Chen, “ A New approach to direct torque control of induction motor drives for constant inverter switching frequency and torque ripple reduction”, IEEE Transaction on Energy Conversion, vol. 16, no. 3, pp. 220-227, Sep 2001.
- [130] Z. Tai, Y. Li, Z. Ji, “ Speed sensorless DTC and parameters estimation of induction motor based on a full order MRAS method”, IEEE PIEMC'00 power electronics and motion control conference, vol. 3, pp. 1202-1206, 2000.
- [131] H. Le Huy, “ Comparison of field oriented control and direct torque control for induction motor drives ”, IEEE IAS'99 conference, vol. 2, pp. 1245-1252, 1999.

- [132] S.V. Zadeh, G.H. Mazarei, "Open loop control of hysteresis band amplitudes in direct torque control of induction machines", IEEE IAS '00 conference, vol. 3, pp. 1519-1524, 2000.
- [133] D. Telford, M.W. Dunnigan, B.W. Williams, "A Comparison of vector control and direct torque control of induction machine", IEEE PESC'00 , Power electronics specialists conference, vol. 1, pp. 421-426, 2000.
- [134] S. Chakrabarti, *et. al.* , "Reduction of torque ripple in direct torque control of induction motor drives using space vector modulation based pulse width modulation", IEEE Power electronics and drive systems conference'97, vol. 1, pp. 117-121, May 1997.
- [135] M. H. Kim, *et. al.* , "An induction motor position control system with direct torque control", IEEE ISIE'01, vol. 2, pp. 771-774, Korea 2001.
- [136] N.R.N. idris, A.H.M. Yatim, "Modeling of a new torque controller for direct torque control of induction machines", IEEE TENCON'00 conference, vol. 2, pp. 39-45.
- [137] J. Wu, Y. Li, J. Chen, H. Hu , "Speed sensor-less direct torque of an induction machine in low speed region", IEEE PIEMC'00, Power electronics and motion control conference, vol. 1, pp. 464-468, 2000.
- [138] W. Heinz, V. D. Broeck, H. C. Skudenly, "Analytical analysis of the harmonic effects of a PWM AC drive", IEEE Transaction on Power Electronics, vol. 3, no. 2, pp. 216-223, April, 1988.
- [139] Y. S. Lai, J. C. Lin, J. J. Wang, " Direct torque control induction motor drives with self commissioning based on Taguchi Methodology", IEEE Transaction on power electronics, vol. 15, no. 16, pp. 1065-1071, Nov. 2000.
- [140] S. K. Lin, C. H. Fang, "Sliding mode Direct torque control of an induction motor " , Proceedings of IEEE IECON'01 conference, vol. 3, pp. 2171-2177, 2001.
- [141] Bimal K. Bose, "Modern Power Electronics and AC Drives" , Prentice Hall PTR, 2002.
- [142] S. Bhattacharya, L. Resta, D.M. Divan, D.W. Novotny, "Experimental comparison of motor bearing currents with PWM hard and soft switched voltage source inverter", IEEE Transaction on Power Electronics, vol. 14, no. 3, pp. 552-562, May 1999.