

REFERENCES.

- [ABB 1] ABB Sistemas Industriales, S.A. " Control Directo de Par", Technical Guide.
- [ALF 1] Alfonso, D.; Gianluca, G.; Ignazio, M. ; Aldo, P. "An improved Look-up table for Zero Speed Control in DTC Drives", Proceedings EPE'99, 8th European Conference on Power Electronics and Applications. Lausanne. September /1999.
- [ARI 1] Arias, A.; Romeral, J.L.; Bedford, D.; Aldabas, E "Hard-less Dead-time Compensator for PWM Voltage Inverters", Proceedings IECON'98, 24th Annual Conference of the IEEE Industrial Electronics Society. Aachen. Germany. September 1998. Pages 780 - 785.
- [ARI 2] Arias, A.; Romeral, J.L.; Aldabas, E.; Jayne, M.G. "Improving Direct Torque Control by means of Fuzzy Logic". SAAEI'00, Seminario Anual de Automática, Electrónica Industrial e Instrumentación, 2000. ISBN: 84-699-2994-1. September 2000. Pages 197 - 200.
- [ARI 3] Arias, A.; Romeral, J.L.; Aldabas, E.; Jayne, M.G. "Fuzzy Logic Direct Torque Control". ISIE'00. IEEE International Symposium on Industrial Electronics. December 2000. Puebla. Mexico.
- [ATT 1] Attaianesi, C.; Nardi, V.; Prefetto, A.; Tomasso, G. "Vectorial Torque Control: A Novel Approach to Torque and Flux Control of Induction Motor Drives" IEEE Trans. on Industry Applications, Vol. 35, No. 6; November/December 1999, pages 1399 - 1405.
- [BED 1] Bedford, D.; Arias, A.; Aldabas, E.; Romeral, J. L." Sistema de Control Vectorial Adaptativo de Motores de Inducción basado en DSP ". SAAEI'97, Seminario Anual de Automática, Electrónica Industrial e Instrumentación, 1997. ISBN: 84-8498-451-6. Copiformes S.L./J.Dede. September 1997.
- [BED 2] Bedford, D.; Arias, A.; Aldabas, E.; Romeral, J. L. "Parallel Processing AC Motor Adaptive Vector Control System". SAAEI'98, Seminario Anual de Automática, Electrónica Industrial e Instrumentación, 1998. ISBN: 84-89654-11-5. IBERDROLA INS. TEC. September 1998.
- [BED 3] Bedford, D.; Arias, A.; Aldabas, E.; Romeral, J. L." PC and DSP based AC motor Adaptive Vector Control System". Proceedings VECPAR'98, 3^d. International Meeting on Vector and Parallel Processing. Porto (Portugal). June 1998.

References.

- [BED 4] Bedford, D.; Romeral, J. L.; Arias, A.; Aldabas, E." Fuzzy Adaptive Speed Controller without Reference Model". Proceedings EPE'99. 8th European Conference on Power Electronics and Applications. ISBN: 90-75815-04-2. September 1999. Lausanne (Switzerland).
- [BED 5] Bedford, D.; "Control Vectorial Adaptativo de Motores Asíncronos de Inducción". Doctoral Thesis. Univeritat Politècnica de Catalunya. October 1999.
- [BIR 1] Bird, I. G.; Zelaya, H. " Fuzzy logic torque ripple reduction for DTC based AC drives". Electronics Letters. 14th August 1997. Vol. 33. No.17.
- [BLA 1] Blaschke, F. "The principle of Field Orientation applied to the new TRANSVECTOR Close Loop Control Systems for rotating field machines"; Siemens Review, vol. 34, May 1972; pages 217 - 220
- [BOL 1] Boldea, I.; Nasar, S.A. "Vector Control of AC Drives" CRC Press Inc., 1992.
- [BOS 1] Bose, B. K.; "Power Electronics and AC Drives". Prentice-Hall. 1986.
- [BOS 2] Bose, B. K.; Patel, N. P.; Rajashekara, K.; "A Neuro-Fuzzy based On-Line Efficiency Optimization Control of a Stator Flux-Oriented Direct-Vector Controlled Induction Motor Drive"; IEEE Trans. on Ind. Electronics, Vol. 44, vol. 2; Abril 1997, pages 270 – 273.
- [BUJ 1] Buja, G.; Casadei, D.; Serra, G. "Direct Torque Control of Induction Motor Drives". ISIE 97. Guimaraes. Portugal. IEEE Catalog Number: 97TH8280.
- [BUJ 2] Buja, Giuseppe. "A New Control Strategy of the Induction Motor Drives: The Direct Flux and Torque Control". IEEE Industrial Electronics Society Newsletter. December 1998.
- [CAS 1] Casadei, D.; Serra G.; Tani A.; "Improvement of Direct Torque Control Performance by using a Discrete SVM Technique". ISBN 0-7803-4489-8. 1998 IEEE, pages 997 - 1003.
- [CAS 2] Casadei, D.; Serra G.; Tani A.; "Implementation of a Direct Torque Control Algorithm for Induction Motors Based on Discrete Space Vector Modulation"; IEEE Trans. on Power Electronics, Vol. 15, No. 4; July 2000, pages 769 – 777.
- [GON 1] Gonzalez, D.; Llaquet, J.; Arias, A.; Bedford, D.; Romeral, J.L. Balcells, J. "Improvement possibilities of PWM Voltage Inverter EMI effects using different Modulations Methods". Proceedings EPE'99, 8th European Conference on Power Electronics and Applications. ISBN: 90-75815-04-2. Lausanne. Switzerland. September 1999.

- [HAB 1] Habelter, G.; Profumo, F.; Pastorelli, M.; Tolbert, L. "Direct Torque Control of Induction Machines Using Space Vector Modulation"; IEEE Trans. on Industry Applications, Vol. 28, No. 5; September/October 1992, pages 1045 – 1053.
- [HIT 1] S. Hiti, 'Modeling and Control of Three-Phase PWM Converters,' Ph.D. Dissertation, VPEC- Virginia Polytechnic Institute & State University, 1995.
- [HOL 1] Holtz, J.; "Pulse width modulation - A survey"; IEEE Trans. on Industrial Electronics, vol. 39. December 1992; pages 410 - 420.
- [KAN 1] Kang, J.; Sul, S.; "New Direct Torque Control of Induction Motor for Minimum Torque Ripple and Constant Switching Frequency" IEEE Trans. on Industry Applications, Vol. 35, No. 5; September/October 1999, pages 1076 - 1082.
- [KER 1] Kerkman, R. J.; Seibel, B. J.; Rowan, T. M.; Schlegel, D. W.; " A new flux and stator resistance identifier for AC drive systems", IEEE Trans. on Industry Applications, Vol. 32, No. 3; May/June 1996, pages 585 - 593.
- [LAS 1] Lascu, C.; Boldea, I.; Blaabjerg, F. "A Modified Direct Torque Control for Induction Motor Sensorless Drive", IEEE Trans. on Industry Applications, Vol. 36, No. 1; January/February 2000, pages 122-130.
- [LEG 1] Leggate, D.; Kerkman, R. J.; "Pulse-Based Dead Time Compensator for PWM Voltage Inverters", IEEE Trans. on Ind. Electronics, Vol. 44, No. 2; April 1997, pages 191-197.
- [LEO 1] Leonhard, W.; "Control of Electrical Drives". Springer-Verlag. 1990.
- [LLA 1] LLaquet, J.; Arias, A.; Romeral, J.L.; Bedford, D. "EMI effects of Hard-less Dead-time compensated PWM Voltage Inverter". Proceedings ICHQP'98. 8th International Conference on Harmonics and Quality of Power October 1998, pages 516 - 520.
- [LSI 1] Loughborough Sound Images plc." PC/C32 Technical Reference Manual". Ver 1.03. August 1996.
- [LSI 2] Loughborough Sound Images plc." PC/32 DIO. 32 Channel Digital I/O Board. User Manual" Ver 1.01. December 1994.
- [LSI 3] Loughborough Sound Images plc." AM/D16QS. Quad Channel ADC Daughter Module. User Manual". Ver 1.00. June 1995.
- [LUD 1] Ludtke, I. " The Direct Control of Induction Motors". Thesis. Department of Electronics and Information Technology. University of Glamorgan. May 1998.

References.

- [LUD 2] Ludtke, I.; Jayne M.G. "A comparative study of high performance speed control strategies for voltage sourced PWM inverter fed induction motor drives", Seventh International Conference on electrical Machines and Drives, 11-13 September 1995, University of Durham, UK.
- [LUD 3] Ludtke, I.; Arias, A.; Jayne M.G. "Improvement Direct Torque Control of Induction Motors", 8th European Conference on Power Electronics and Applications. EPE'99. ISBN: 90-75815-04-2. September 1999. Lausanne. Switzerland
- [MAR 1] Martinez, L. " Historia de las máquinas eléctricas". Edicions UPC. Universitat Politècnica de Catalunya. 1994.
- [MAR 2] Martins, C. A.; Meynard, T. A.; Roboam, X.; Carvalho, A. S. "A predictive sampling scale model for direct torque control of the induction machine fed by multilevel voltage-source inverters", The European Physical Journal Applied Physics. EDP Sciences 1999.
- [MAT 1] Mata, A. " Turbo C. Iniciación y programación avanzada". Paraninfo. Second edition. 1991.
- [MOH 1] Mohan, Undeland, Robbins. " Power Electronics". Wiley. Second edition. 1989.
- [NAS 1] Nash, J; "Direct Torque Control, Induction Motor Vector Control without an Encoder", IEEE Trans. on Ind. Applications, Vol. 33, No. 2; March/April 1997, pages 333 - 341.
- [NIE 1] Niemelä, M.; Pyrhönen, J.; Pyrhönen, O.; Luukko J. "Drift correction methods of the stator flux linkage in DTC synchronous motor drives", Proceedings EPE'99, 8th European Conference on Power Electronics and Applications. Lausanne. September/1999.
- [NOG 1] Noguchi, T.; Yamamoto, M.; Kondo, S.; Takahashi, I. " Enlarging Switching Frequency in Direct Torque-Controlled Inverter by Means of Dithering". IEEE Trans. on Industry. Applications, Vol. 35, No. 6; November/December 1999; pages 1358 - 1366.
- [PYR 1] Pyrhönen, J.; Pyrhönen, O.; Niemelä, M.; Luukko J. "A Direct Torque Controlled synchronous motor drive concept for dynamically demanding applications", Proceedings EPE'99, 8th European Conference on Power Electronics and Applications. Lausanne. September/1999.
- [RAH 1] Rahman, M. A.; Radwan, T. S.; Osheiba, A. M.; Lashine, A. E.; "Analysis of Current Controllers for Voltage Source Inverters", IEEE Trans. on Ind. Electronics, Vol. 44, No 4; August 1997; pages 477 - 485

- [ROM 1] Romeral, J. L.; 'Optimización de Modelos de Control Digital para Motores AC', Doctoral Thesis, Universitat Politècnica de Catalunya. June 1995.
- [ROM 2] Romeral, J. L.; Bordonau, J.; Bedford, D.; Aldabas, E.; "Adaptive fuzzy speed controller for an AC drive", The 1st International Congress on Energy, Power & Motion Control, Tel-Aviv; May 1997, pages 82 - 87.
- [ROM 3] Romeral, J. L.; Aldabas, E.; Arias, A.; Llaquet, J. " Regulador Difuso Adaptativo por variación de las Funciones de Pertenencia ", Actas SAAEI'00. Sem. Anual de Automática, Electrónica Ind. e Instrumentación, 2000. ISBN: 84-699-2994-1. Terrassa. September 2000, pages 273 - 276.
- [ROM 4] Romeral, J.L.; Aldabas, E.; Arias, A.; LLaquet, J. "A Simple Self-Tuning PID Speed Controller". ISIE'00. IEEE International Sypmposium on Industrial Electronics. December 2000. Puebla. Mexico.
- [SEP 1] Sepe, R. B.; Lang, J. H.; "Inverter non linearities and discrete Dead Time Compensation", IEEE Trans. on Power Electronics. Vol. 8, Num. 4. October 1993.
- [TAK 1] Takahashi, I and Nogushi, T. "A New Quick-Response and High-Efficiency Control Strategy of an Induction Motor", IEEE Trans. Industry Applications, Vol. 1A-22, pages 820-827, October 1986.
- [TAK 2] Takahashi, I and Ohimori, Y. "High-Performance Direct Torque Control of an Induction Motor", IEEE Trans. Industry Applications, Vol. 25, pages 257-264, March 1989.
- [TII 1] Tiitine, P.; Pohjalainen, P.; Lalu, J.; "The next generation motor control method - Direct Torque Control, DTC", Proc. EPE Chapter Symp., Lausanne, Switzerland, 1994.
- [TII 2] Texas Instruments Incorporated." TMS320C3x User's Guide". October 1994.
- [TII 3] Texas Instruments Incorporated." TMS320C3x Floating-Point DSP Optimizing C Compiler, User's Guide ". February 1995.
- [TII 4] Texas Instruments Incorporated." TMS320C3x Floating-Point DSP Assembly Language Tools, User's Guide ". February 1995.
- [VAS 1] Vas, P. " Electrical machines and drives: a space-vector theory approach". Oxford University Press 1992.
- [VAS 2] Vas, P. " Sensor less Vector and Direct Torque Control". Oxford University Press 1998.

References.

- [VAS 3] Vas, P. "Artificial-Intelligence-Based Electrical Machines and Drives. Application of Fuzzy, Neural, Fuzzy-Neural, and Genetic-Algorithm-Based Techniques". Oxford University Press 1999.
- [YAM 1] Yamamura, S.; " AC Motors for high-performance applications. Analysis and Control". Ed. Marcel Dekka, Inc., 1986.