
EMTP Bibliography

05-Jul-96

T. Adielson, A. Carlson, H.B. Margolis, and J.A. Halladay, "Resonant overvoltages in EHV transformers - modeling and application", IEEE Trans. Power App. Syst., vol. PAS-100, pp.3563-3572, July 1981.

G.W. Alexander, et al, "Influence of design and operating practices on excitation of generator step-up transformers", IEEE, Vol. PAS -85, No. 8, Aug. 1966.

Alvarado, Lasseter, and Sanchez, "Testing of Trapezoidal Integration with Damping for the Solution of Power Transient Problems," PAS 102, No. 12, Dec. 1983, pp. 3783-3790.

F.L. Alvarado and C. Canizares, "Synchronous machine parameters from sudden-short tests by backsolving", IEEE Trans. Energy Conversion, Vol. 4, No. 2, pp. 224-236, June 1989.

F. Alvarado, "Eliminating numerical oscillations in trapezoidal integration", EMTP Newsletter, vol. 2, no.3, pp..20-32, Feb. 1982.

Alvarado, Lasseter, Kwon, Mong, "A Module Orented EMTP Interface." PAS 103, No. 12, Dec. 1984, pp. 3488-3495.

Alvarado, "Parallel Solution of Transient Problems by Trapezoidal Integration," PAS 98, No. 3, May/June, 1979, pp. 1080-1090.

EMTP Bibliography

05-Jul-96

F.L. Alvarado et al, "EMTP Workbook I, II, III, IV EPRI Report EL-4651, RP2149-6, Sept. 1986.--Series of tutorial material in theoretical and application aspects of EMTP especially for utility. Univ. of Wisconsin EMTP course material.

Alvarado, "Elimination Numerical Oscillations in Trapezoidal Integration", EMTP Newsletter, Vol. 2, No. 3, Feb. 1982, pp. 20-32.

Ametani and Nagaoka, "Transients Calculations on a Crossbonded Cable by EMTP and Pi-Circuit Modeling of an Overhead Line and a Cable in Cable Constants", EMTP Newsletter, Vol.2, No. 4, May 1982, pp. 20-29.

A. Ametani, "A general formulation of impedance and admittance of cables", IEEE Trans. Power Syst., vol. PAS-99, pp. 902-910, May/June 1980.

Ametani, "Cable Constants and Transient Calculations with the EMTP", EMTP Newsletter, Vol. 1, No. 4, Nov. 1980, pp. 7-9.

A. Ametani, "A highly efficient method for calculating transmission line transients", IEEE Trans. Power App. Syst., vol. PAS-95, pp. 11545-1551, Sept./Oct. 1976.

Ametani and Liu, "Calculation of Cable Transients by EMTP", EMTP Newsletter, Vol. 1, No. 1, July 1979, pp. 5-7.

EMTP Bibliography

05-Jul-96

Avila-Rosales and Semlyen, "Iron Core Modeling for Electrical Transients," PAS 104, No. 11, Nov. 1985, pp.3189-3194.

J. Avila-Rosales and F.L. Alvarado, "Nonlinear frequency dependent transformer model for electromagnetic transient studies in power systems", IEEE Trans. Power App. Syst., vol. PAS-101, pp. 4281-4288, Nov. 1982.

Avila-Rosales and Alvarado, "Nonlinear Frequency Dependent Transformer Model for Electromagnetic Transient Studies in Power Systems," PAS 101, No. 11 Nov. 1982, pp. 4281-4288.

J.M. Barcus et al, "The Varistor Protected Series Capacitors at the 500 kV Broadview Station, IEEE PWRD pp.1976-1985, Oct. 1988.--Manufacturer and utility application study on protection requirement of series capacitors.

L.O. Barthold, I.B. Johnson, A.J. Schultz, "Overvoltages following secondary switching of transformers connected to high voltage lines", AIEE, Oct. 1958.

R. Baumann, H. Dommel, and W. Rueb, "Second power system computation conference (in German)," ETZ-A, Vol. 87, pp. 922-925, December 1966.

W. Bayer, K.H. Kruger, D. Povh, B. Kulicki, "Studies for HVDC and SVC using the NETOMAC Digital Program System", IEEE/CSEE Joint Conference on High Voltage Transmission Systems, Beijing, China, Oct. 17-22, 1987.

EMTP Bibliography

05-Jul-96

L. Bergeron, "Du Coup de Belier en Hydraulique au Coup de Foudre en Electricite." Dunod, Paris 1949 [English translation: Water Hammer in Hydraulics and Wave Surges in Electricity; ASME Committee. Wiley, New York 1961].

L.F. Blume, et al, "Transformer magnetizing inrush currents and influence on system operation", AIEE Trans., Winter Meeting, 1944.

H. Bocker and D. Oeding, "Induced voltages in pipelines close to high voltage lines", Elektrizitatzwirtschaft [in German], vol. 65, pp. 157-170, 1966.

W.H. Booth, et al, "The analysis and prediction of harmonic resonant overvoltages resulting from line dropping and fault clearing transformer-terminated EHV lines", IEEE PES Winter Meeting, 1978.

P. Bornard, D. Souque, D. Vielpeau, "Torsional interactions between the Gravelines units and the 2000 MW cross-channel DC link: protection of the turbine-generator units", Bull. de la Directions des Etudes et Recherches, EdF, Serie B, no. 4, pp. 13-1

R.L. Boylestad, "Analyse de circuits: introduction, Editions du renouveau pedagogique inc. c1979, chapitre 20.

Brandwajn, "Damping of Numerical Noise in the EMTP Solution", EMTP Newsletter, Vol. 2 No. 3, Feb. 1982, pp. 10-19.

EMTP Bibliography

05-Jul-96

Brandwajn, "Influence of Numerical Noise on the Stability of Type 59 SM Model", EMTP Newsletter, Vol.2, No.3, Feb. 1982, pp. 37-43.

Brandwajn, "Modifications to the User's Instructions for the Type 59 SM", EMTP Newsletter, Vol.2, No.3, Feb. 1982, pp. 55-56.

Brandwajn, "Removal of the SCE's Synchronous Machine Model", EMTP Newsletter, Vol.3, No.2, Nov. 1982, pp. 31-34.

Brandwajn, "Influence of Numerical Noise on the Stability of Type 59 SM Model", EMTP Newsletter Vol. 2, No. 3, Feb. 1982, pp. 37-43.

V. Brandwajn, "Modifications of user's Instructions for MARTI SETUP", EMTP Newsletter, vol. 3, no. 1, pp. 76-80, Aug. 1982.

Brandwajn, "Use of the New RAMP Command for Interactive [SPY] Modification of Series RLC Elements", EMTP Newsletter, Vol. 4, No. 2, Nov. 1983, pp. 41-44.

Brandwajn, "Modelling of Surge Arresters in the Analysis of Electromagnetic Transients", EMTP Newsletter, Vol. 1, No. 3, April 1980, pp. 8-13.

EMTP Bibliography

05-Jul-96

Brandwajn, "Generalization of Parameter Calculation of Zinc-Oxide [ZnO] Surge Arresters", EMTP Newsletter, Vol. 4 No. 4, Aug.1984, pp. 19-21.

Brandwajn, "Modification of User's Instructions for MARTI SETUP", EMTP Newsletter, Vol. 3, No. 1, Aug. 1982, pp. 76-80.

Brandwajn, "Use of Weighting Functions in the Modelling of Frequency Dependence of dc Cables", EMTP Newsletter, Vol. 2, No. 1, June 1981, pp. 14-21.

Brandwajn, "Initial Experience with the New Frequency-Dependent Line Model", EMTP Newsletter, Vol.2, No.4, May 1982, pp. 54-58.

Brandwajn, "Guidelines for the Use of the Support Routine WEIGHTING for Cables", EMTP Newsletter, Vol.2, No. 1, June 1981, pp. 22-31.

Brandwajn, "User's Instructions for the Adjustment of Exponential Tail in the Weighting Functions Model of Frequency Dependence", EMTP Newsletter, Vol.2, No. 2, Sept. 1981, pp. 27-29.

Brandwajn, "Duplication of TNA Simulation Results", EMTP Newsletter, Vol. 1, No. 3, April 1980, pp. 4-8.

EMTP Bibliography

05-Jul-96

Brandwajn, "Calculation of Initial Conditions for Combined Power Network and Control System Simulation", EMTP Newsletter, Vol. 1, No. 5, Feb. 1981, pp. 8-12.

Brandwajn, "User's Instructions for the Adjustment of Exponential Tail in the Weighting Functions Model of Frequency Dependence" EMTP Newsletter, Vol.2, No.2, Sept. 1981, pp. 27-29.

Brandwajn, "Improvements to the Initializaion of Combined ac and dc Networks", EMTP Newsletter, Vol. 2, No. 1, June 1981, pp. 32-38.

Brandwajn, "Generalization of Zinc-Oxide [ZnO] Surge Arrester Modeling", EMTP Newsletter, Vol. 4, No. 2, Nov. 1983, pp.2-6.

Brandwajn, "Duplication of TNA Simulation Results", EMTP Newsletter, Vol.1, No.3, April 1980, pp. 4-8.

Brandwajn, "Improvements to the Initialization of Combined ac and dc Networks", EMTP Newsletter, Vol.2, No.1, June 1981, pp. 32-38.

Brandwajn, "Calculation of Initial Conditions for Combined Power Network and Control System Simulation" EMTP Newsletter, Vol.1, No.5, Feb. 1981, pp. 8-12.

EMTP Bibliography

05-Jul-96

V. Brandwajn, "Influence of numerical noise on the stability of Type 59 SM model", EMTP Newsletter, vol. 2, no. 3, pp. 37-43, Feb. 1982

Brandwajn, Meyer and Dommel, "Synchronous Machine Initialization for Unbalanced Network Conditions within an Electromagnetic Transients Program," PICA Conference Record, Vo. 11, 1979, pp. 38-41.

Brandwajn and Brierly, "Model of Three Leg Core Transformer", EMTP Newsletter, Vol.1, No.2, Dec. 1979, pp. 9-13.

Brandwajn, "Discussion of: A Method of Interfacing Olive's Model of Synchronous Machine in an Electromagnetic Transients Program", EMTPNewsletter, Vol.3, No. 2, Nov. 1982, pp. 40-42.

V. Brandwajn, "Investigation and improvement of long term stability for the TYPE-59 synchronous machine model", EMTP Newsletter, Vol. 4, no.2, pp. 54-57, Nov. 1983.

Brandwajn, "Representation of Magnetic Saturation in the Synchronous Machine Model in an Electromagnetic Transients Program," PAS 99, No. 5, Sept./Oct. 1980, pp. 1996-2002.

Brandwajn, Meyer and Dommel, "Synchronous Machine Initialization for Unbalanced Network Conditions within an Electromagnetic Transients Program," PICA Conference Record, Vol. 11, 1979, pp. 38-41.

EMTP Bibliography

05-Jul-96

Brandwajn, Dommel and Dommel, "Matrix Representation of Three-Phase N-Winding Transformers for Steady-State and Transient Studies," PAS 101, No. 6, June 1982, pp. 1369-1378.

Brandwajn, "Discussion of: Recent Developments of the Universal Machine Load-Flow, Mechanical Network Sharing and Saturation", EMTP Newsletter, Vol.4, No.4, Aug. 1984, pp. 18-19.

Brandwajn, "Investigation and Improvement of Long-Term Stability for the Type 59 Synchronous Machine [SM] Model", EMTP Newsletter, Vol.4, No.2, Nov. 1983, pp. 54-57.

V. Brandwajn, "Synchronous generator models for the analysis of electromagnetic transients", Ph.D. thesis, University of British Columbia, Vancouver, Canada, 1977.

Brandwajn, "Planned Modifications to the Type 59 EMTP Generator Model" EMTP Newsletter, Vol.4, No.1, Aug. 1983, pp. 2-3.

V. Brandwajn, "Damping of numerical noise in the EMTP solution", EMTP Newsletter, vol.2, no.3, pp. 10-19, Feb. 1982.

Brandwajn and Dommel, "A New Method for Interfacing Generator Models with an Electromagnetic Transients Program," PICA Conference Record, Vol.10, 1977, pp. 260-265, PAS 97 No. 2, Mar./April 1978, p. 319 [abstract].

EMTP Bibliography

05-Jul-96

"Simulation of Turbine Generators in Electromagnetic Transients Programs", V.Brandwajn, H.W. Dommel, International Journal of Electrical Power and Energy Systems, Vol.1, No.2, pp. 118-124, 1979.

"Interfacing Generator Models with an Electromagnetic Transients Program", V. Brandwajn, H.W. Dommel, paper A76 359-0, IEEE PES Summer Meeting, 1976.

"Synchronous Machine Parameters in Analysis of Electromagnetic Transients", H. Brandwajn, H.W. Dommel, Proc. of IEEE Canadian Communications and Power Conference, pp. 393-395, 1976.

F.H. Branin, "Transient analysis of lossless transmission lines", Proc. IEEE, vol. 55,pp. 2012-2013, Nov. 1967.

Brierly, "Modification of SEMLYEN SETUP to fit Cable Characteristics Provided by CABLE CONSTANTS", EMTP Newsletter, Vol. 3, No. 3, Feb. 1983, pp. 42-48.

G.W. Brown and R.G. Rocamora, "Surge propagation in three-phase pipe-type cables. Part I - Unsaturated pipe", IEEE Trans. Power App. Syst., vol. PAS-95, pp. 89-95, Jan/Feb. 1976.

A. Budner, "Introduction of frequency-dependent line parameters into an electromagnetic transients program", IEEE Trans. Power App. Syst., vol. PAS-89, pp. 88-97, Jan. 1970.

EMTP Bibliography

05-Jul-96

D.A. Calahan, "Numerical considerations for implementation of nonlinear transient circuit analysis program", IEEE Trans. Circuit Theory, vol. CT-18, pp. 66-73, Jan. 1971.

K. Carlsen, E. H. Lenfest, and J.J. LaForest, "Mantrap-Machine and Network Transients Program", Proc. IEEE Power Industry Computer Appl. Conf., pp. 144-151, 1975.

S. Carneiro, J.R. Marti, "Evaluation of corona and Line Models in Electromagnetic Transients Simulations" IEEE PWRD pp.334-342, Jan. 1991.--Implementation of Q-V corona model in overhead transmission lines with frequency dependence effect with numeri

J. Carpentier, "Ordered eliminations", Proc. Power systems Computation Conference, London, 1963.

J.R. Carson, "Wave Propagation in Overhead Wires with Ground Return", Bell System Technical Journal, Vol. 5, pp. 539-554, 1926.

Chisholm, Chow and Srivastava, "Lightning Surge Response of Transmission Towers," PAS 102, No. 9 Sept. 1983, pp. 3232-3242.

Chisholm, Chow and Srivastana, "Travel Time of Transmission Towers," PAS 104, No. 10, Oct. 1985, pp. 2922-2928.

EMTP Bibliography

05-Jul-96

B.C. Chiu, A converter model for the digital simulation of transients in ac/dc transmission systems. M.A.Sc. thesis, University of British Columbia, Vancouver, Canada, May 1980.

"Analysis of Rectifier Circuits," AIEE Trans., Vol. 63, pp 1048-1058, 1944. Good background article on rectifier circuits.

L.O. Chua and K.A. Stromsmoe, "Lumped-circuit models for nonlinear inductors exhibiting hysteresis loops", IEEE Trans. Circuit Theory, vol. CT-17, pp. 564-574, Nov. 1970.

CIGRE Working Group 13.05, "The calculation of switching surges. I. A comparison of transient network analyser results", Electra No. 19, pp. 67-78, Nov. 1971.

CIGRE Working group 13.05, "The calculation of switching surges - III. Transmission line representation for energization and re-energization studies with complex feeding networks", Electra No. 62, pp. 45-78, Jan. 1979.

CIGRE- Working Group 13.05, "The calculation of switching surges. II. Network representation for energization and re-energization studies on lines fed by an inductive source, Electra, no. 32, pp. 17-42, 1974.

Members of CIGRE Working Group 13.05, "The calculation of switching surges," Electra, No. 32, pp. 17-42, 1974.

EMTP Bibliography

05-Jul-96

Clayton, Grant, Hedman, Wilson, "Surge Arrester Protection and Very Fast surges," PAS 102, No. 8, Aug. 1983, pp. 2400-2412; PAS 102, No. 10, Oct. 1983, p. 3488 [correction].

A. Clerici, T. Ruckstuhl, A. Vian, "Influence of shunt reactors on switching surges", IEEE Winter Meeting, 1969.

E.E. Colapret, W.E. Reid, "Effects of faults and shunt reactor parameters on parallel resonance", IEEE Summer Meeting,, 1979.

E. Colombo and G. Santagostino, "Results of the enquiries on actual network conditions when switching magnetizing and small inductive currents and on transformer and shunt reactor saturation characteristics", Electra No. 94, pp. 35-53, May 1984.

P. de Arizon and H.W. Dommel, "Computation of cable impedances based on sub-division of conductors", Paper presented at IEEE Power Engineering Society Meeting, Mexico City, July 1986 [to be published later in IEEE Trans. on Power Systems.

Viegas de Vasconcelos, Hoseman, "Transient Studies on a Multiprocessor," PAS 103, No. 11, Nov. 1984, pp. 3260-3266.

Degeneff, McNutt, et.al., "Transformer Response to System Switching Voltages," PAS 101, No. 6, June 1982, pp. 1457-1470.

EMTP Bibliography

05-Jul-96

Degeneff, "A Method for Constructing Terminal Models for Single-Phase n-Winding Transformers," PAS 98, No. 1, Jan./Feb. 1979, p.6 [abstract].

R.C. Degeneff, "A method for constructing terminal models for single-phase N-winding transformers", Paper A 78 539-9, presented at IEEE PES Summer Meeting, Los Angeles, Calif., July 16-21, 1978.

Deri, Tevan, Semlyen and Castanhe, "The Complex Ground Return Plane - A Simplified Model for Homogenous and Multilayer Earth Return," PAS 100, No. 8, Aug. 1981, pp. 3686-3693.

E.P. Dick, N. Fujimoto, G.L. Ford, and S. Harvey, "Transient ground potential rise in gas-insulated substations - problem identification and mitigation", IEEE Trans. Power App. Syst., vol. PAS 101, pp. 3610-3619, Oct. 1982.

E.P. Dick and W. Watson, "Transformer models for transient studies based on field measurements", IEEE Trans. Power App. Syst., vol. PAS-100, pp. 409-419, Jan. 1981.

Dick and Watson, "Transformer Models for Transient Studies Based on Field Measurements," PAS 100, No. 1 Jan. 1981, pp. 409-419.

E.J. Dolan, D.A. Gillies, E.W. Kimbark, "Ferroresonance in a transformer switched with an EHV line", IEEE Summer Meeting July 1971.

EMTP Bibliography

05-Jul-96

Dommel, "DCG/ EPRI EMTP Development", EMTP Newsletter Vol. 5, No. 4, Oct. 1985, p.26.

Dommel, Yan and Wei, "Harmonics from Transformer Saturation," 85 SM 381-9, presented at the 1985 Summer Power Meeting.

H.W. Dommel and J.H. Sawada, "The calculation of induced voltages and currents on pipelines adjacent to ac power lines", Report to B.C. Hydro and Power Authority for CEA Contract 75-02, 1976[not released yet].

H.W. Dommel, Bhattacharya, I.I. Dommel, Brandwajn and Ye Zhong-liang, "Canay's Data Conversion of Synchronous Machine Parameters", EMTP Newsletter, Vol.5, No. 4, Oct. 1985, pp. 8-25.

H. Dommel, "Digitale Rechenverfahren fur elektrische Netze' ["digital computer methods for network solutions", in German], Archiv f. Elektrotechnik, vol. 48, pp. 118-132, 1963.

Dommel, "Data Conversion of Synchronous Machine Parameters", EMTP Newsletter, Vol.1, No.3, April 1980, pp. 13-17.

H.W. Dommel, A. Yan, R.J. Ortiz de Marcano, A.B. Miliani, "Case studies for electromagnetic transients", Univ. of British Columbia, Vancouver, Canada, May 1983.

EMTP Bibliography

05-Jul-96

Dommel, "Digital Computer Solution of Electromagnetic Transients in Single and Multiphase Networks," PAS 88, No. 4, April 1969, pp. 388-399.

H.W. Dommel, A. Yan, Shi Wei, "Harmonics from Transformer Saturation", IEEE Trans. Power Delivery, vol. PWRD-1, pp. 209-215, April 1986.

Dommel and Meyer, "A Note From the Editors - Artificial Oscillations", EMTP Newsletter, Vol. 2, No. 3, Feb. 1982, pp.1-2.

Dommel and Meyer, "Computation of Electromagnetic Transients," IEEE Proceedings, Vo. 62, No. 7, July, 1974, pp.983-993.

Dommel, "Brief Summary of EMTP Related Work at UBC" EMTP Newsletter, Vol. 4, No. 4, Aug. 1984, pp. 23-27.

Dommel, "Nonlinear and Time-Varying Elements in Digital Simulation of Electromagnetic Transients," PAS 90, No. 6, Nov./Dec. 1971, pp. 2561-2567.

Dommel, "Double-Circuit Lines with Zero Sequence Coupling Only", EMTP Newsletter, Vol.2, No.3, Feb. 1982, PP. 57-60.

EMTP Bibliography

05-Jul-96

Dommel and Torres, "Simple Overhead Line Models for Lightning Surge Studies", EMTP Newsletter, Vol.2, No.4, May 1982, pp. 30-35.

Dommel, "Overhead Line Parameters from Handbook Formulas and Computer Programs," PAS 104 No. 2, Feb. 1985, pp. 366-372.

Dommel, "Computation of Electromagnetic Transients," IEEE Proceedings, Vo. 62, Number 7, July, 1974. Pages 983-993.

Dommel, "Digital Computer Solution of Electromagnetic Transients in Single and Multiphase Networks," PAS 88, Number 4, April, 1969, Pages 388-399.

H. Dommel, "Application of digital computers in power systems (in German)," ENERGIE, Vol. 16, pp. 126-135, April 1964.

H.W.Dommel, et al, "Case Studies foe Electromagnetic Transients", Univ. of B.C. Publication, Dec. 1986.--Test cases for familiarization of EMTP applications and capabilities.

"Electro-Magnetic Transient Program Reference Manual [EMTP Theory Book]", H.W. Dommel, prepared by Bonnerville Power Administration, Chapers 8 & 9, Aug. 1986.

EMTP Bibliography

05-Jul-96

H. W. Dommel, "Results for fault application and clearing overvoltages described in doc. 13-72 (WG.05) 48 IWD," Sept. 13, 1974, 10 pages.

Dommel, "Nonlinear and Time-Varying Elements in Digital Simulation of Electromagnetic Transients," PAS 90, Number 6, Nov/Dec, 1971, Pages 2561-2567.

H. Dommel, "Application of digital computers for power system analysis in the USA (in German)," ETZ-A, Vol. 87, pp. 418-423, June 1966.

H. Dommel and K. Feser, "Bibliography on digital computer applications for power system planning and operation since 1958 (in German)," ETZ-A, Vol. 87, pp. 425-430, June 1966.

H. Dommel, "High voltage direct current long distance transmission in the western part of the USA (in German)," Bull. SEV (Swiss Institute of Electrical Engineers), Vol. 58, pp. 60-68, January 1967.

H. W. Dommel and W. F. Tinney, "Optimal Power Flow Solutions," IEEE Trans. Power Apparatus and Systems, Vol. PAS-87, pp. 1866-1867, October 1968.

H. W. Dommel, "Computation of electromagnetic surges in power systems with digital computers (in German)," Bull. SEV (Swiss Institute of Electrical Engineers), Vol. 60, pp. 538-548, June 1969.

EMTP Bibliography

05-Jul-96

H. Dommel, "Newer methods in the application of digital computers in power systems (in German)," ENERGIE, Vol. 21, pp. 206-215, June 1969.

H. W. Dommel and N. Sato, "Fast transient stability solutions," IEEE Trans. Power Apparatus and Systems, Vol. PAS-91, pp. 1643-1650, July/Aug. 1972.

H. W. Dommel, "Optimization of power systems," in Techniques of Optimization (editor: Balakrishnan), Academic Press, New York, pp. 487-498, 1972.

H.W. Dommel, et al, "EMTP Theory Book" Bonneville Power Administration Contract No. DE-AC79-81BP31364, Aug. 1986. -- detailed presentation of EMTP theory, modelling techniques, capabilities and limitations. 192 references included in end of report

H. Dommel, "Digital computers for analysis and operation of the power pool in Western USA (in German)," ETZ-A, Vol. 93, pp. 269-278, June 1972.

H. W. Dommel, "Energy networks," Networks, Vol. 5, pp. 81-84, January 1975

H. W. Dommel, "Transient phenomena in large electric power systems," in Large Engineering Systems (editor: A. Wexler), Pergamon Press, Oxford, pp. 441-457, 1977 (invited paper).

EMTP Bibliography

05-Jul-96

H. W. Dommel, "Results for extended source network with 800 Hz parameters for line and 50 Hz parameters for source described in doc. 13.73 (WG.05) 02 IWD." Sept. 17, 1974, 11 pages.

N. Dravid, "Comparison of various representations of a limit function in a second order system", handwritten notes, 1972.

Dube, "Treatment of Limiters in TACS" EMTP Newsletter, Vol.1, No.3, April 1980, p.2.

L. Dube and H.W. Dommel, "Simulation of control systems in an electromagnetic transients program with TACS", Proc. IEEE PICA Conf., pp. 266-271, May 1977.

Dube and Dommel, "Simulation of Control Systems in an Electromagnetic Transients Program with TACS," PICA Conference Record, Vol. 10, 1977, pp. 266-271; PAS 97, No. 2 Mar./apr./ 1978, p. 319 [abstract].

G.W.A. Dummer, Modern Electronic Components. Pitman & Sons, London, 1959, p. 131.

Durbak, "Zinc-Oxide Arrester Model for Fast Surges", EMTP Newsletter, Vol. 5, No. 1, Jan. 1985, pp. 1-9.

EMTP Bibliography

05-Jul-96

H. Edelman, "Ordered triangular factorization of matrices",
Proc. Power Systems Computation Conference, Stockholm, 1966.

L. Edwards, et al, "Single-Pole Switching on TVA's Paradise-Davidson 500 kV Line: Design Concepts & Staged Fault Test Results" Paper 71 TP 147-PWR, IEEE Winter Power Meeting, New York, NY, Jan.31-Feb.5,1971. Test results on secondary arc current clear

Eteiba and Brierly, "Evaluation of Various EMTP Cable Models",
EMTP Newsletter, Vol. 4, No. 3, Feb. 1984, pp. 1-12.

Eteiba and Brierly, "Transient Analysis of Short Crossbonded Cable System Using SEMLYEN SETUP", EMTP Newsletter, Vol. 3, No. 4, May 1983, pp. 8-16.

Even, "EMTP Simulation of Resonant Overvoltage in HV Power Transformer", EMTP Newsletter, Vol.2, No.3, Feb. 1982. pp. 3-9.

Ewart, "Digital Computer Simulation Model of a Steel-Core Transformer," 85 SM 377-3, presented at the 1985 Summer Power Meeting.

Faria and Silva, "Wave Propagation in Polyphase Transmission Lines - A General Solution to Include Cases Where Ordinary Modal Theory Fails," 85 SM 379-1 Presented at the 1985 Summer Power Meeting.

EMTP Bibliography

05-Jul-96

J.M. Feldman, A.M. Hopkin, "A simple non-linear analysis of the single-phase ferroresonant circuit", IEEE PES Winter Meeting 1974.

G.E. Forsythe and C.B. Moler, Computer Solution of Linear Algebraic Equations. Prentice-Hall, Englewood Cliffs, N.J., 1967.

Frame, Mohan and Liu, "Hysteresis Modeling in an Electromagnetic Transients Program," PAS 101, No. 9 Sept, 1982, pp. 3403-3412.

J.G. Frame, N. Mohan and T. Liu, "Hysteresis modeling in an electromagnetic transients program", IEEE Trans. Power App. Syst., vol. PAS-101, pp. 3403-3412, Sept. 1982.

M. Fukunishi, et al, "Laboratory Study on Dead Time of High Speed Reclosing of 500 kV Systems", 31-03, CIGRE, 1970. Information on secondary arc current.

"Tranquell XE Station Surge arresters" General Electric Co. Pittsfield MA. 01201, Sept. 1986. Information on modeling GE station class zinc oxide surge arresters.

D.M. German, A.E. Davies, "Ferroresonance on EHV transmission systems", IEEE PES Winter Meeting, 1978.

EMTP Bibliography

05-Jul-96

N. Gerday, S. Mastero and J. Vroman, "Review of ferroresonance phenomena in high-voltage power systems, and presentation of a voltage transformer model for predetermining them", CIGRE Report No. 33-18, Paris, 1974.

A. Goldstein, Transformer, p. 330 [in German]. Chapter in Technik No. 3, edited by Th. Boveri and Th. Wasserrab. Fischer, Frankfurt [Germany], 1963.

Goldsworthy, "EMTP Simulation of the Pacific HVDC Intertie", EMTP Newsletter, Vol.5, No.2, April 1985, pp. 1-4.

D.L. Goldsworthy, "A Linearized model for MOV-Protected Series Capacitors" IEEE PWRS pp. 953-958, Nov. 1987. --Comparison of field test results with EMTP simulations. Analysis of MOA/series capacitor characteristics for stability model development

A.M. Gole, V.K. Sood, "Modeling of Static Compensators and dc Converters for Control Studies using Digital Simulation Programs", CEA Meeting, Montreal, Canada. March 1990.

Gole and Menzies, "Modelling of Capacitive Loads for the Study of Transients in Synchronous Machines," PAS 104, No. 8, Aug. 1985, pp. 2093-2098.

Gole, Menzies, Turanli, Woodford, "Improved Interfacing of Electrical Machine Models to Electromagnetic Transients Programs," PAS 103, No. 9, Sept. 1984, pp. 2446-2451.

EMTP Bibliography

05-Jul-96

Greenfield, "Transient Behavior of Short and Long Cables," PAS 103, No. 11 Nov. 1984, pp. 3193-3203.

E. Groschupf, "Simulation of transient phenomena in systems with HVDC and ac transmission lines", Ph.D. thesis, Technical University, Darmstadt, Germany, 1976.

G. Gross, and M.C. Hall, "Synchronous machine and torsional dynamics simulation in the computation of electromagnetic transients", IEEE Trans. Power App. Syst., vol. PAS -97, pp. 1074-1086, July/Aug. 1978.

Gross and Hall, "Synchronous Machine and Torsional Dynamics Simulation in the Computation of Electromagnetic Transients," PAS 97, No. 4 July/Aug. 1978, pp. 1074-1086.

Gyugyi, L., "Solid-State Control of AC Power Transmission," EPRI Workshop on Flexible AC Transmission Systems (FACTS), Cincinnati, OH, Nov. 14-16, 1990. Background article on FACTS technology.

R.W. Hamming, Numerical Methods for Scientists and Engineers. Second Edition, McGraw-Hill Book Co., New York, 1973, p. 580 [or p. 327 in First Edition, 1962.]

R.M. Hamouda, R.M. Iravani and R. Hackam, "Torsional oscillations of series capacitor compensated ac/dc systems", IEEE Trans. Power Systems, Vol. 4, No.3, pp. 889-896, August 1989.

EMTP Bibliography

05-Jul-96

R.G. Harley, D.J.N. Limebeer, E. Chirricozzi, "Comparative study of saturation methods in synchronous machine models", IEE Proc., vol. 127,pt. B. pp. 1-7, Jan 1980.

Harner, R. H., & J. Rodriguez, "Transient Recovery Voltages Associated with Power-System, Three-Phase Transformer Secondary Faults," Paper T72 112-6, IEEE PES Winter Meeting, New York, NY, Jan. 30 - Feb. 4, 1972. Also IEEE Trans. PAS, Vol 72 pp 1

Harrington and Afghahi, "Implementation of a Computer Model to Include the Effects of Corona in Transient Overvoltage Calculations," PAS 102, No. 4, April 1983, pp. 902-910.

Harrington and Afghahi, "Effect of Corona on Surges on Polyphase Transmission Lines," PAS 102, No. 7 July 1983, pp.2294-2299.

H.J. Haubrich, G. Hosemann, & R. Thomas, "Single-Phase Auto-Reclosing in EHV Systems" CIGRE, Report 31-09, 1974. Information on secondary arc current.

Hauer, "Benchmark Checks on Semlyen and Marti Simulation Logic for State-Space Modeling of Transmission Line Dynamics" EMTP Newsletter, Vol. 3, No. 2, Nov. 1982, pp. 2-13.

Hauer, "Dynamic Models for Frequency Dependence in Lines and Cables" EMTP Newsletter, Vol. 1, No. 3, April 1980, pp. 3-4.

EMTP Bibliography

05-Jul-96

C.D. Hayward, "Prolonges inrush currents with parallel transformers affect differential relaying", AIEE Winter Meeting, Jan. 1941.

F.W. Heilbronner, "Firing and voltage shape of multistage impulse generators", IEEE Trans. Power App. Syst., vol. PAS-90, pp. 2233-2238, Sept./Oct. 1971.

P.E.Hendrickson, I.B. Johnson, N.R. Schultz, "Abnormal voltage conditions produced by open conductors on 3 phase circuits using shunt capacitors", AIEE Nov. 1953.

M. H. Hesse, "Electromagnetic and electrostatic transmission-line parameters by digital computer", IEEE Trans. Power App. Syst., vol. 82, pp. 282-290, 1963.

M.H. Heese, Quebec Hydro 735 kV double-circuit electrostatic coupling effects on shunt reactors, 16 mai 1966.

R.H. Hopkinson, "Ferroresonant overvoltage control based on TNA tests on three-phase delta-wye transformer bank", IEEE Summer Meeting, July 1966.

R.H. Hopkinson, "Ferroresonant overvoltage control based on TNA tests on three-phase wye-delta transformer banks", IEEE Winter Power Meeting, 1967.

EMTP Bibliography

05-Jul-96

P.W. Hornbeck, Numerical Methods. Quantum Publishers, New York, 1975.

W.G. Huang, A. Semlyen, "Computation of Electromagnetic Transients on Three-Phase Transmission Lines with Corona & Frequency Dependent Parameters" IEEE PWRD pp.887-898, July 1987.

M.B. Hughes, R.W. Leonard, T.G. Martinich, "Measurement of power system subsynchronous driving point impedance and comparison with computer simulations", IEEE Trans. Power App. Syst., vol. PAS-103, pp. 619-630, 1984.

N.H. Huynh, " Surtensions causees par la mise sous tension des transformateurs sur le reseau de la Baie James", Service Etudes de Resuaux, Oct. 1981.

Hydro-Quebec, Essais sur transformateur 735 kV Ferranti, service Essais et Protection, rapport interne 7058, 11 mai 1970.

IEEE Working Group Report, "Recommended phasor diagram for synchronous machines", IEEE Trans. Power App. Syst., vol. PAS-88, pp. 1593-1610, Nov. 1969.

IEEE Standard Dictionary of Electrical and Electronics Terms. Second Edition, Published by IEEE. Wiley- Interscience, New York, 1977.

EMTP Bibliography

05-Jul-96

IEEE Task Force, "Conventions for block diagram representations", IEEE Trans. Power Syst., vol. PWRS -1, pp. 95-100, Aug. 1986.

"Digital Simulation of Electrical Transient Phenomena" IEEE Publication EH0173-5-PWR, 1981.--IEEE introductory tutorial materials in electro-magnetic transients.

IEEE Working Group, "Electromagnetic effects of overhead transmission lines. Practical problems, safeguards, and methods of calculation", IEEE Trans. Power App. Syst., vol. PAS-93. pp. 892-904, May/June 1974.

"Modeling of Metal Oxide Surge Arresters," IEEE Working Group 3.4.11, Application of Surge Protective Devices Subcommittee, Surge Protective Devices Committee, Paper 91 WM 012-5 PWRD, IEEE/PES 1991 Winter Meeting, New York, NY, Feb. 3-7, 1991.

F. Iliceto and E. Cinieri, "Analysis of Half-Wave Length Transmission Lines with Simulation of Corona Losses", IEEE Trans. Power Delivery, Vol 3, pp. 2081-, October 1988

Ino, Mathur, Iravani and Sasaki, "Validation of Digital Simulation of DC Links - Part II," PAS 104, No. 9, Sept. 1985, pp. 2596-2603.

Ino, Iravani and Mathur, "An Initialization Method for Simulation of HVDC systems by EMTP", EMTP Newsletter, Vol. 5, No. 1, Jan. 1985, pp. 34-42.

EMTP Bibliography

05-Jul-96

Inoue, "Propagation Analysis of Overvoltage Surges with Corona Based Upon Charge Versus Voltage Curve," PAS 104, No. 3, March 1985, pp. 655-662.

M.R. Iraavani, "Coupling phenomenon of torsional modes", IEEE Trans. Power Systems, Vol. 4, No. 3, pp. 881-888, August 1989.

R.W. Jensen and L.P. McNamee [editors], Randbook of Circuit Analysis Languages and Techniques. Prentice-Hall, Englewood Cliffs, N.J., 1976.

A.T. Johns, & W.M. Ritchie, "application of an Improved Technique for Assessing the Performance of Single-Pole Reclosing Schemes" IEEE Trans. PAS, Vol. PAS -103, No.12, Dec.1984. A method of determining clearing time of secondary arc current.

J.G. Kappenmann et al, "Staged Fault Tests with Single Phase Reclosing on the Winnipeg-Twin Cities 500 kV Interconnection" Paper 81 SM366-4, IEEE PES Summer Meeting, Portland, Oregon, July 26-31, 1981. Test results of secondary arc current clearing t

T. Kato, K. Ikeuchi, "Variable Order and Variable Step-Size Integration Method for Transient Analysis Programs", IEEE/PES 1990 Summer Meeting, Minneapolis, Minnesota, July 15-19, 1990.

A.E. Kennelly, F.A.Laws and P.H. Pierce, "Experimental Research on Skin Effect in Condutores", AIEE Trans., pt. II, Vol. 34, pp. 1953-2018, 1915.

EMTP Bibliography

05-Jul-96

Kizilcay, "Dynamic Arc Modeling in EMTP", EMTP Newsletter, Vol. 5, No. 3, July 1985, pp. 15-26.

Kizilcay M. & T. Pniok, "Digital Simulation of Fault Arcs in Power Systems," ETEP, Vol. 1, No. 1, Jan/Feb, 1991. Information on arc modeling.

A. Konrad, "The numerical solution of steady-state skin effect problems - an integrodifferential approach", IEEE Trans., Vol. MAG-17, pp. 1148-1152, Jan. 1981.

A. Konrad, "Integrodifferential finite element formulation of two dimensional steady-state skin effect problems", IEEE Trans., Vol. MAG-18, pp. 284-292, Jan. 1982.

C.G.A. Koreman, "Determination of the magnetizing characteristic of three-phase transformers in field tests", IEEE Trans. Power Delivery, Vol. 4, No. 3, pp.1779-1785, July 1989.

Koschik, "EMTP Transmission Line Simulation: Evaluation of Models, Simulation of HVDC Staged Line Fault", EMTP Newsletter, Vol.3, No. 1, Aug. 1982, pp. 2-25.

Koschik, "EMTP Transmission Line Simulation: Evaluation of Models, Simulation of HVDC Staged Line Fault", EMTP Vol. 3, No. 1, Aug. 1982, pp. 2-25.

EMTP Bibliography

05-Jul-96

L. Krahenbuhl, B. Kulicke, and A. Webs, ["Simulation model of an N-winding transformer for the analysis of saturation phenomena", in German], [Siemens Research and Development Reports], vol. 12, pp. 232-235, 1983.

P.C. Krause, F. Nozari, T.L. Skvarenina, D.W. Olive, "The theory of neglecting stator transients", IEEE Trans. Power App. Syst., vol. PAS -98, pp. 141-148, Jan./Feb. 1979; discussion by V. Brandwajn and W.A. Mittelstadt.

E. Kuffel and W.S. Zaengl, High Voltage Engineering. Pergamon Press, Oxford, 1984.

B. Kulicke, "Simulation program NETOMAC; modelling of synchronous and induction machines" [in German], Siemens Forschungs-u. Entwicklungs-Berichte, vol.11,pp.156-161, 1982.

B. Kulicke, [Simulation program NETOMAC; Difference conductance method for continuous and discontinuous systems], Siemens Forschungs- Siemens Research and Development Reports, vol. 10 [1981],no. 5, pp. 299-302.

J.J. LaForest, et al, "Resonant voltages on reactor compensated extra-high-voltage lines", IEEE Winter Meeting 1972.

Lasseter and Lee, "Digital Simulation of Static VAR System Transients," PAS 101, No. 10, Oct. 1982, pp. 4171-4177.

EMTP Bibliography

05-Jul-96

Lat, "Analytical Method for the Performance Prediction of Metal Oxide Surge Arresters," PAS 104, No. 10, Oct. 1985, pp. 2665-2674.

Lauw, "Design Recommendations for Numerical Stability of Power Electronic Converters", EMTP Newsletter, Vol.1, No.4, Nov. 1980, pp. 2-6.

Lauw, "Data Initialization and Other Options of the UM Module", EMTP Newsletter, Vol.2, No. 3, Feb. 1982, pp. 44-54.

Lauw, "Multi-Machine System Simulation with the Universal Machine" EMTP Newsletter, Vol.3, No.3, Feb. 1983, pp. 14-24.

Lauw and Meyer, "Universal Machine Modeling for the Representation of Rotating Electric Machinery in an Electromagnetic Transients Program, "PAS 101, No. 6, June 1982, pp. 1342-1357.

Lauw, "Discussion of:Design Recommendations for Numerical Stability of Power Electronic Converters", EMTP Newsletter, Vol.1, No.5, Feb. 1981, p.25.

Lauw, "Extension of EMTP Universal Machine [UM] Modeling so as to Accept Type 50 [SCE] or Type 59 [Brandwajn] EMTP SM Data Cards as Input", EMTP Newsletter, Vol.3, No.1, Aug. 1982, pp. 60-69.

EMTP Bibliography

05-Jul-96

Lauw, "Multi-Machine System Simulation with the Universal Machine", EMTP Newsletter, Vol.3, No.3, Feb. 1983, pp. 14-24.

Lauw, "Interfacing for Universal Multimachine Modeling in an Electromagnetic Transients Program," PAS 104, No. 9, Sept. 1985, pp. 2367-2373.

Lauw, "Design Recommendations for Numerical Stability of Power Electronic Converters," EMTP Newsletter Vol. 1 No. 4 Nov. 1980, pp. 2-6.

H.K. Lauw, "Interfacing for universal multi-machine system modelling in an electromagnetic transients program", IEEE Trans. Power App. Syst., vol. PAS-104, pp.2367-2373, Sept. 1985.

Lauw, "Data Initialization and Other Additional Options of the UM Module", EMTP Newsletter, Vol.2, No.3, Feb. 1982, pp. 44-54.

Lauw, "Recent Developments of the EMTP Universal Machine: Load-Flow, Mechanical Network Sharing and Saturation Evaluation", EMTP Newsletter, Vol.4, No.4, Aug. 1984, pp. 12-18.

Lauw, "The Importance of Recent EMTP Modeling Extensions, as Illustrated by Transient Studies Involving Unconventional Rotation Electric Machinery", EMTP Newsletter, Vol.1, No.5, Feb. 1981, pp. 23-24.

EMTP Bibliography

05-Jul-96

Lauw, "Discussion of: Design Recommendations for Numerical Stability of Power Electronic Converters," EMTP Newsletter, Vol. 1, No. 5, Feb. 1981, pp. 25.

Lee, "Nonlinear Corona Models in an Electromagnetic Transients Program [EMTP]," PAS 102, No. 9, Sept. 1983, PP. 2936-2942.

Lee, Sawada and L. Marti, "Comparison of Various EMTP Transmission Line Models - Part I [Line with Three Phases in Triangular Configuration]", EMTP Newsletter, Vol.2, No. 4, May 1982, pp. 58-69.

K.H. Lee and J.M. Schneider, "Rockport transient voltage monitoring system: analysis and simulation of recorded waveforms", IEEE Trans. Power Delivery, Vol. 4, No.3, pp. 1794-1805, July 1989.

K.C. Lee, K.P. Poon, "Statistical Switching Overvoltage Analysis of the First B.C. Hydro Phase Shifting Transformer Using the Electromagnetic Transients Program" IEEE PWRD pp.1054-1060, Nov. 1990--Utility application study of available state of the art c

K.C. Lee, "Non-linear corona models in an Electromagnetic Transients Program [EMTP], IEEE Trans. PAS pp.2936-2942, Sept. 1983.--Model and analyse corona distortion and attenuation effect on lightning overvoltage wave in overhead transmission lines hv th

Lembo, "Development and Testing of a 138-kV ± 25 degree Phase Shifter Transformer Model", EMTP Newsletter, Vol.2, No.1, June 1981, pp. 2-6.

EMTP Bibliography

05-Jul-96

Li Guang Qi and Dommel, "Comparison of Fourier Analysis Routine in EMTP With FFT Routines", EMTP Newsletter Vol. 5, No. 2, April 1985, pp. 39-40.

Lian, Ren-ming and Lauw, "Series-Capacitor Compensated Line Results in Unstable UM Self-Excitation Which is Explained Using Hurwitz Stability Theory", EMTP Newsletter, Vol.3, No.4, May 1983, pp. 17-22.

Lima, "Details about the Portuguese 400-kV Field Test Simulation Studies", EMTP Newsletter, Vol. 2, No. 4, May 1982, pp. 2-10.

Lima, "Details about the Portuguese 400-kV Field Test Simulation Studies" EMTP Newsletter, Vol.2, No. 4, May 1982, pp. 2-10.

Lima, "Open Breaker Protection Study Using TACS Models", EMTP Newsletter, Vol.5, No.1, Jan. 1985, pp. 10-20.

Lima, "Temporary Overvoltage Studies", EMTP Newsletter, Vol.3, No. 1, Aug. 1982, pp. 31-45.

Lima, "Temporary Overvoltage Studies", EMTP Newsletter, Vol.3, No.1, Aug. 1982, pp. 31-45.

EMTP Bibliography

05-Jul-96

Lima, "Details about the Portuguese 400-kV Field Test Simulation Studies", EMTP Newsletter, Vol.2, No.4, May 1982, pp. 2-10.

J.A. Lima, "Numerical instability due to EMTP-TACS inter-relation", EMTP Newsletter, vol. 5, No. 1, pp.21-23, Jan. 1985.

Lima, "Open Breaker Protection Study Using TACS Models", EMTP Newsletter, Vol. 5, No. 1, Jan. 1985, pp. 10-20.

Lima, "Open Breaker Protection Study Using TACS Models", EMTP Newsletter, Vol.5, No.1, Jan. 1985, pp. 10-20.

Jiming Lin, Jose R. Marti, "Implementation of the CDA Procedure in the EMTP", IEEE Trans. on Power Sys., Vol 5, No.2, May 1990.

Liu, "A Prictical New EMTP Model for Untransposed Transmission Lines - The Constant-Parameter Distributed Option Provided by K.C. Lee of UBC", EMTP Newsletter, Vol. 2, No.1, Nov. 1981, pp. 7-13.

Liu, "Summary of Questions About Complex or Real Transformation Matrices [Ti] of Untransposed, Distributed Transmission Line Models", EMTP Newsletter, Vol.4, No.1, Aug. 1983, pp. 15-17.

EMTP Bibliography

05-Jul-96

Liu, "Status Report on Transient Cable Calculations Using the EMTP", EMTP Newsletter, Vol. 1, No.2, Dec. 1979, pp. 3-6.

W.F. Long, "A study on some switching aspects of a double circuit HVDC transmission line", IEEE Trans. Power App. Syst., vol. PAS-92, pp. 734-741, March/April 1973.

MIT Staff, Magnetic Circuits and Transformers. MIT Press, Cambridge, Mass. [original edition 1943, many reprints thereafter], p. 197.

P.C. Magnusson, "Travelling waves on multi-conductor open-wire lines- A numerical survey of the effects of frequency dependence of modal composition", IEEE Trans. Power App. Syst., vol. PAS - 92, pp. 999-1008, may/June 1973.

Jean Mahseredjian, Serge Lefebvre, Dinkar Mukhedkar, "Power Converter Simulation Module Connected to the EMTP", IEEE Trans. on Power Sys., Vol 6, May 1991.

Makram, Koerber and Kruempel, " An Accurate Computer Method for Obtaining Boundary Conditions in Faulted Power Systems," PAS 101, No. 9 Sept. 1982, pp. 3252-3260.

Makram, Koerber and Kruempel, "An Accurate Computer Method for Obtaining Boundary Conditions in Faulted Power Systems," PAS 101, No. 9, Sept. 1982, pp. 3252-3260.

EMTP Bibliography

05-Jul-96

R. Malewski, V.N. Narancic and Y. Robichaud, "Behavior of the Hydro-Quebec 735-kV system under transient short-circuit conditions and its digital computer simulation" IEEE Trans. Power App. Syst., vol. PAS-94, pp. 425-431, March/April 1975.

J. R. Marti and Jiming Lin, "Suppression of numerical oscillations in the EMTP", IEEE Trans. Power Systems, Vol. 4, No. 2, pp. 739-747, May 1989.

L. Marti, "Limitations of Frequency-Dependent Transmission Line Models in the EMTP", EMTP Newsletter, Vol.4, No.2, Nov. 1983, pp. 50-53.

L. Marti, "Low-order approximation of transmission line parameters for frequency-dependent models", IEEE Trans. Power App. Syst., vol. PAS-102, pp. 3582-3589, Nov. 1983.

J.R. Marti, "Implementation at BPA of a New Frequency Dependence Model", EMTP Newsletter, Vol. 2, No. 3, Feb. 1982, pp. 33-37.

L. Marti, "Voltage and current profiles and low-order approximation of frequency-dependent transmission line parameters", M.A.Sc. Thesis, Univ. of British Columbia, Vancouver, Canada, April 1982.

L. Marti, "Low -Order Approximation of Transmission Line Parameters for Frequency-Dependent Models," PAS 102, No. 11, Nov. 1983, pp. 3582-3589.

EMTP Bibliography

05-Jul-96

J.R. Marti, "Numerical Integration Rules and Frequency-Dependence Line Models", EMTP Newsletter, Vol. 5, No. 3, July 1985, pp. 27-39.

J.R. Marti, The problem of frequency dependence in transmission line modelling. Ph.D. thesis, The University of British Columbia, Vancouver, Canada, April 1981.

J.R. Marti, "Accurate modelling of frequency-dependent transmission lines in electromagnetic transient simulations", IEEE Trans. Power app. Syst., vol. PAS-101, pp. 147-157, Jan. 1982.

Marti, J.R., "Accurate Modelling of Frequency-Dependent Transmission Lines in Electromagnetic Transient Simulations," PAS 101, No. 1 Jan. 1982, pp. 147-157.

L. Marti, "Voltage and Current Profiles Along Transmission Lines", EMTP Newsletter, Vol.2, No.4, May 1982, pp. 17-19.

J.R. Marti, "New Approach to the Problem of frequency Dependence of Transmission Line Parameters", EMTP Newsletter, Vol. 1, No. 3, April 1980, pp. 17-20.

L. Marti, "Low Order approximation of the Frequency Dependent Line Parameters in J. Marti's Model", EMTP Newsletter, Vol.2, No.4, May 1982, pp. 10-16.

EMTP Bibliography

05-Jul-96

L. Marti, "Simulation of electromagnetic transients in underground cables with frequency-dependent modal transformation matrices", Ph.D. thesis, University of British Columbia, Vancouver, Canada, Nov. 1986.

P.S. Maruvada, D.H. Nguyen, and H. Hamadani-Zadeh, "Studies in modelling corona attenuation of dynamic overvoltages", IEEE Trans. Power Delivery, Vol. 4, No. 2, pp. 1441-1449, April 1989.

P.S. Maruvada et al, "Studies on Modeling Corona Attention of Dynamic Overvoltages" IEEE PWRD pp.1441-1448, April 1989.-- Theoretical & experimental study of corona attenuation & distortion in EHV overhead transmission lines. Modeling capability & limits

R.M. Mathur and Xuegong Wang, "Real Time Digital Simulator of the Electromagnetic Transients of Power Transmission Lines", IEEE Trans. Power Delivery, Vol. 4, No. 2, pp 1275-1280, April 1989

S.F. Mauser, T.E. McDermott, "EMTP Application Guide" EPRI Report EL-4650, RP2149-1, Nov. 1986.-- EMTP modelling, study cases. Training manual. Background discussions. 16 pages of categorised IEEE and EMTP NEWSLETTER references Index.

S.F. Mauser, T.E. McDermott, "EMTP Primer", EPRI Report EL-4202, RP2149-1, Sept. 1985.-- 11 detailed study cases for practical EMTP application.

R.E. McCotter, H.A. Smolleck, S.J. Ranade, W.H. Kersting, "An investigation of the fundamental-frequency impedance of a single-phase distribution lateral", IEEE Trans. Power Delivery, vol. PWRD -1, pp. 232-238, Jan. 1986.

EMTP Bibliography

05-Jul-96

J. Mechenbier, "Simulation of synchronous machines in cases with large speed changes", EMTP Newsletter, vol. 5, no. 4, pp. 3-7, Oct. 1985.

Mechenbier, "Simulation of Synchronous Machines in Cases with Large Speed Changes", EMTP Newsletter, Vol.5, No.4, Oct. 1985, pp. 3-7.

D.J. Melvold, P.R. Shockley, W.F. Long, and N.G. Hingorani, "Three terminal operation of the Pacific HVDC Intertie for dc circuit breaker testing", IEEE Trans. Power App. Syst., vol. PAS-95, pp. 1287-1296, July/Aug. 1976.

Menemenlis and Zhu Tong Chun, "Wave Propagation on Nonuniform Lines," PAS 101, No. 4, April 1982, pp. 833-839.

S.M. Merry, E.R. Taylor, "Overvoltages and harmonics on EHV systems", IEEE Winter meeting, Jan./Feb. 1972.

Meyer and Ren-ming, "Successful Generalization of EMTP Switch and Source Logic", EMTP Newsletter, Vol.3, No.1, Aug. 1982, pp. 70-74.

Meyer and Ren-ming, "Successful Generalization of EMTP Switch and Source Logic", EMTP Newsletter, Vol. 3, No. 1, Aug. 1982, pp. 70-74.

EMTP Bibliography

05-Jul-96

Meyer, "User-Supplied EMTP FORTRAN for the Solution of Coupled Single-Phase Nonlinearities Using a Standard Compensation-Based Interface", EMTP Newsletter, Vol. 3 No. 3, Feb. 1983, pp. 37-42.

Meyer and Dommel, "Numerical Modelling of Frequency-Dependent Transmission Line Parameters in an Electromagnetic Transients Program," PAS 93, No. 5, Sept./Oct. 1974, pp. 1401-1409.

Meyer and Ren-ming, "Successful Generalization of EMTP Switch and Source Logic", EMTP Newsletter, Vol.3, No. 1, Aug.1982, pp. 70-74.

Meyer, "Experimentation with Zinc-Oxide Surge Arrester Modeling in EMTP", EMTP Newsletter , Vol. 1, No. 2 Dec. 1979, pp.6-9.

Meyer, "Current Bonneville Power Administration EMTP Research and Development Contracts,"EMTP Newsletter Vol. 1 No. 1, July 1979,pp. 1-4.

Meyer,"EMTP Data Modularization and Sorting by Class: A Foundation Upon Which EMTP Data Bases Can Be Built", EMTP Newsletter, Vol. 4, No. 2, Nov. 1983, pp. 28-40.

Meyer, "Real-Time EMTP Plotting, and the Beginning of Interactive EMTP Execution,"EMTP Newsletter, Vol. 1, No. 5, Feb. 1981, pp. 2-7.

EMTP Bibliography

05-Jul-96

Meyer, "Interactive EMTP Execution, Observation and Control Via Shared COMMON,"EMTP Newsletter, Vol. 2, No. 2, Sept. 1981,pp. 26-27.

W.S. Meyer and H.W. Dommel, "Numerical modelling of frequency-dependent transmission line parameters in an electromagnetic transients program", IEEE Trans. Power App. Syst., vol. PAS-93, pp. 1401-1409, Sept./Oct. 1974.

W.S. Meyer and H.W. Dommel, "Telephone-interference calculation for multiconductor power lines", IEEE Trans. Power App.syst., vol. PAS-88 pp. 35-41, Jan. 1969.

Meyer, "Machine Translation of an Electromagnetic Transients Program [EMTP] Among Different Computer Systems," PICA Conference Record, Vol. 10 1977, pp. 272-277; PAS 97, No. 2, Mar./April, p.319 [abstract].

Meyer, "Third-Generation Interactive EMTP Execution, Observation and Control: Near-Universality Via FORTRAN 77 Additon to the UTPF", EMTP Newsletter, Vol. 4, No. 1, Aug. 1983, pp. 4-13.

E.J. Michelis, "Comparison between measurement and calculation of line switching with inductive and complex source",IEEE Trans. Power Delivery, Vol. 4, No. 2, pp. 1432-1440, April 1989.

T.J.E. Miller, "Reactive Power Control in Electric Systems", John Wiley & Sons, Inc. 1982. General information on solid state switching for reactive power control.

EMTP Bibliography

05-Jul-96

Morched and Brandwajn, "Transmission Network Equivalent for Electromagnetic Transients Studies," PAS 102, No. 9, Sept. 1983, pp. 2984-2992.

Mork, Rao and Stuehm, "Modeling Ferroresonance with EMTP " EMTP Newsletter, Vol. 3, No. 4, May 1983, pp. 2-7.

Nagaoka and Ametani, "Transient Calculations on Crossbonded Cables," PAS 102, No. 4, April 1983, pp. 779-787.

M.R. Niggli, et al, "Fault clearing overvoltages on long transformer terminated lines", IEEE PES Summer Meeting. 1978.

Ogihara, "EMTP Simulation of Load Rejection Shows Possible Self-Excitation of a 1300 MVA Generator Which Remains Connected to a UHV Line" EMTP Newsletter, Vol.3, No.1, Aug. 1982, pp. 26-27.

Ogihara, "EMTP Simulation of Load Rejection Shows Possible Self-Excitation of a 1300 MVA Generator Which Remains Connected to a UHV Line", EMTP Newsletter, Vol.3, No. 1, Aug. 1982, pp. 26-27.

K. Okuyama, K. Inagaki, "Exciting inrush current of a three-phase, core-type transformer with three legs", Electrical Engineering in Japan, Vol. 91, No. 1 1971.

EMTP Bibliography

05-Jul-96

J.T. Pender, et al, "Large tranient neutral currents during energisation of 3 phase transformers", Proc, IEE, Vol. 122, No. 4, April 1975.

J. Peschon, H. W. Dommel, W. Powell, and D. W. Bree, "Optimum power flow for systems with area interchange controls," IEEE Trans. Power Apparatus and Systems, Vol. PAS-91, pp. 898-905, May/June 1972.

H.A. Peterson, T.W. Schroeder, "Abnormal overvoltages caused by transformer magnetizing currents in long transmission lines". AIEE Trans. Jan. 1943.

A.G. Phadke [editor], Digital Simulation of Electrical Transient Phenomena. IEEE Tutorial Course Text 81 EH0173-5-PWR, IEEE Service Center, Piscataway, N.J. , 1980.

Prasad and Herling, "Three Phase Dynamic Simulation of Air Blast Generator Circuit Breakers - Theory and Modeling," PAS 101, No. 6, June, 1982, pp. 11561-1569.

I.M. Przyjemski, J.G. Kassakian, "Parametric behavior of the dynamic period overvoltage on power transmission systems", IEEE July 1976.

Ramanujam, "Closure to : A Method of Interfacing Olive's Model of Synchronous Machine in an Electromagnetic Transients Program", EMTP Newsletter, Vol.3, No.2, Nov. 1982, pp. 42-45.

EMTP Bibliography

05-Jul-96

Ramanujam and Diwakar, "Computation of Harmonics for Initializing synchronous Machine Variables for Transient Studies", EMTP Newsletter, Vol.3, No. 4, May 1983, pp. 27-41.

Ramanujam, "A Method of Interfacing Olive's Model of Synchronous Machine in an Electromagnetic Transients Program", EMTP Newsletter, Vol.3, No.1, Aug. 1982, pp. 46-59.

Ramanujam, "A Note on Synchronous Machine Data Conversion", EMTP Newsletter, Vol.3, No.2, Nov. 1982, pp. 35-40.

Ramanujam, "A Note on Trapezoidal Rule and its Relationship to Backward Euler and Gear's Second Order Methods", EMTP Newsletter, Vol. 5 No. 3, July1985, pp. 1-7.

Ramanujam, "A Note on Computation of High-Frequency Currents in Synchronous Machine Rotor Due to Unbalanced Stator Currents", EMTP Newsletter, Vol.3, No.4, May 1983, pp. 23-26.

Ramanujam and Diwakar, "Correction to : Computation of Harmonics for Initializing Synchronous Machine Variables for Transient Studies" EMTP Newsletter, Vol. 4, No.2, Nov. 1983, pp. 46-49.

Ramanujam and Diwakar, "Computation of Harmonics for Initializing Synchronous Machine Variables for Transients Studies", EMTP Newsletter, Vol.3, No.4, May 1983, pp. 27-41.

EMTP Bibliography

05-Jul-96

R. Ramanujam, "A method of interfacing Olive's model of synchronous machine in an electromagnetic transients program", EMTP Newsletter, vol. 3, no. 1, pp. 46-59, Aug. 1982.

Ramanujam and Diwakar, "Correction to: Computation of Harmonics for Initializing Synchronous Machine Variables for Transients Studies", EMTP Newsletter, Vol.4, No.2, Nov. 1983, pp. 46-49.

A.R. Ramirez and R.A. Achilles, "Modelling Series Capacitor Reinsertion in ac Studies", IEEE Trans. Power Delivery, Vol. 4, No. 2. p. 1217-1222, April 1989.

Reeve and Chen, "Versatile Interactive Digital Simulator Based on EMTP for ac/dc Power System Transient Studies," PAS 103, No. 12, Dec. 1984, pp. 3625-3633.

Ren-ming, "The Challenge of Better EMTP TACS Variable Ordering" EMTP Newsletter, Vol.4, No.4, Aug. 1984, pp. 1-6.

Rem-ming and Goldsworthy, "Warning About Possibly Erroneous Order of EMTP TACS Variable Calculation for Typical Controller Modeling of HVDC Studies", EMTP Newsletter, Vol.4, No.2, Nov. 1983, pp.7-9.

M. Ren-ming, "The challenge of better EMTP TACS variable ordering", EMTP Newsletter, vol.4, no.4, pp.1-6, Aug. 1984.

EMTP Bibliography

05-Jul-96

R.G. Rocamora and G.W. Brown, "Surge propagation in three-phase pipe-type cables. Part II - Duplication of field tests including the effects of neutral wires and pipe saturation", IEEE Trans. Power App. Syst., vol. PAS-96, pp. 826-833, May/June 1977

A. Rodriguez, R. de la Rosa, C. Y. Wu, T. C. Cheng, and H. W. Dommel, "Dynamic insulation in transmission line design," International Journal of Electric Power & Energy Systems, Vol. 6, No. 4, pp. 203-211, Oct. 1984

G.J. Rogers and D. Shirmohammadi, "Induction machine modelling for electromagnetic transient program", Appeared in IEEE Transactions, probably 1986 or 1987 [or possibly 1988]. Have somebody find it or call Danugh.

"Induction Machine Modelling for Electromagnetic Transient Program", G.J. Rogers, D. Shirmohammadi, IEEE Trans., Vol. EC-2, No. 4, pp. 622-628, Dec. 1987.

A. Roth, Hochspannungstechnik ["High Voltage Engineering", in German]. Springer, Vienna, 1959, p. 605.

Sabir and Lee, "Dynamic Load Models Derived from Data Acquired During System Transients," PAS 101, No. 9, Sept. 1982, pp. 3365-3372.

Saied and Al-Fuhaid, "Electromagnetic Transients in a Line-Transformer Cascade by a Numerical Laplace Transform Technique," PAS 104, No. 10, Oct. 1985, pp. 2901-2909.

EMTP Bibliography

05-Jul-96

Sawada and Lee, "Comparison of Various EMTP Transmission Line Models - Part II [Line with Three Phases in Horizontal Configuration]", EMTP Newsletter, Vol.3, No.3, Feb. 1983, pp. 2-13.

H.N. Scherer, et al, "Single Phase Switching Tests on 765 and 750 kV Transmission Lines" IEEE Trans. PAS, Vol. PAS-104, No.6, June 1985. Test results on secondary arc current clearing times.

K. Schlosser, "An equivalent circuit for N-winding transformers derived from a physical basis", Brown Boveri-Nachrichten, vol. 45, pp. 107-132, March 1963 and "Application of the equivalent circuit of an N-winding transformer", Brown Boveri-Nachricht

A. Semlyen, A.Roth, "Calculation of exponential propagation step-response accurately for three base frequencies", IEEE , Vol. PAS - 96, No. 2, March/April 1977.

Semlyen and Dabuleanu, "Fast and Accurate Switching Transient Calculations on Transmission Lines with Ground Return Using Recursive Convolutions," PAS 94, No. 2, Mar./April 1975, pp. 561-571.

Semlyen and Roth, "Calculation of Exponential Step Responses Accurately for Three Base Frequencies," PAS 96, No. 2 Mar./April 1977, pp. 667-672.

A. Semlyen, "Ground return parameters of transmission lines; an asymptotic analysis for very high frequencies", IEEE Trans. Power App.Syst., vol. PAS-100, pp. 1031-1038, March 1981.

EMTP Bibliography

05-Jul-96

Semlyen and Deri, "Time Domain Modelling of Frequency Dependent Three-Phase Transmission Line Impedances," PAS 104, No. 6, June 1985, pp. 11549-1555; PAS 104, No. 9 Sept. 1985, p.2577 [correction].

Semlyen, "Ground Return Parameters of Transmission Lines - An Asymptotic Analysis for Very High Frequencies," PAS 100, No. 3, March 1981. pp. 1031-1038.

Semlyen, "Contributions to the Theory of Calculation of Electromagnetic Transients on Transmission Lines with Frequency Dependent Parameters," PAS 100, No. 2, Feb. 1981, pp. 848-856.

Semlyen and Abdel-Rahman, "State Equation Modelling of Untransposed Three-Phase Lines," PAS 103, No. 11 Nov. 1984, pp. 3402-3408.

Semlyen and Brierly, "Stability Analysis and Stabilizing Procedure for a Frequency Dependent Transmission Line Model," PAS 103, No. 12, Dec. 1984, pp. 3579-3586.

A. Semlyen, discussion to "Overhead line parameters from handbook formulas and computer programs" by H.W. Dommel, IEEE Trans. Power App. Syst., vol. PAS-104, p. 371, Feb. 1985.

Semlyen and Abdel-Rahman, "A Closed Form Approach for the Calculation of Switching Transients in Power System Networks Using the Compensation Theorem," PAS 102, No. 7, July, 1983, pp. 2021-2028.

EMTP Bibliography

05-Jul-96

A. Semlyen and A. Dabuleanu, "Fast and accurate switching transient calculations on transmission lines with ground return using recursive convolutions", IEEE Trabs. Power App. Syst., vol. PAS-94, pp. 561-571, March/April 1975.

Semlyen and Wei-Gang, "Corona Modelling for the Calculation of Transients on Transmission Lines," 85 SM 380-1, Presented at the 1985 Summer Power Meeting.

S. Seshu and M. B. Reed, Linear Graphs and Electrical Networks. Addison-Wesley, Reading, Mass., 1961.

Shindo and Suzuki, "A New Calculation Method of Breakdown Voltage-Time Characteristics of Long Air Gaps," PAS 104, No. 6, June, 1985, pp. 1556-1563.

R. B. Shipley and D.W. Coleman, "A new direct matrix inversion method", AIEE Trans., pt. I [Commun. and Electronics], vol. 78, pp. 568-572, 1959.

Shirmohammadi, "Unnecessary TACS Delays [EMTP Version M35 or Earlier]" EMTP Newsletter, Vol.4, No.4, Aug. 1984, p.22.

D. Shirmohammadi, "Universal machine modelling in Electromagnetic Transient Program [EMTP]", EMTP Newsletter, vol 5, no.2, pp. 5-27, April 1985, and Trans. Engineering & Operation Division, Canadian Electrical Assn., vol. 24, 1985.

EMTP Bibliography

05-Jul-96

Shirmohammadi and Morched, "Improved Evaluation of Carson Correction Terms for Line Impedance Calculations" , EMTP Newsletter, Vol. 5, No.2, april 1985, pp. 28-38.

Shirmohammadi and Lauw, "Limitations of Synchronous Machine Models in EMTP " , EMTP Newsletter, Vol.4, No.4, Aug. 1984, pp. 7-11.

Shirmohammadi, "Universal Machine Modelling in Electromagnetic Transient Program [EMTP]", EMTP Newsletter, Vol.5, No.2, April 1985, pp. 5-27.

B.R. Shperling, et al, "Analysis of Single Phase Switching Field Tests on the AEP 765 kV System" IEEE Trans. PAS, Vol. PAS-100, No.4, April 1981. Test results on secondary arc current clearing times.

W. Shultz, "Saturation phenomena when energizing transformers and their effects on the feeding system", Siemens Forsch, U. Entwickl - Ber. Bd. [1976] Nr. 4.

P. Silvester, "Impedance of nonmagnetic overhead power transmission conductors", IEEE Trans. Power App. Sust., vol. PAS-88, pp. 731-737, May 1969.

J.R. Simms, "Overvoltage Protection of Gas-Insulated Substations", GEC REVIEW, Vol 4, No. 2, pp 100-108, 1988.

EMTP Bibliography

05-Jul-96

J. Skllliutas, J. Panek, "EMTP Field Test Comparisons" EPRI Report EL-6768, RP2149-5, March 1990.--Increase confidence level of EMTP simulation technique, validate EMTP models with field measurements.

J.K. Snelson, "Propagation of travelling waves on transmission lines - Frequency dependent parameters", IEEE Trans. Power App. Syst., vol. PAS -91, pp. 85-91, Jan/Feb. 1972.

W.K. Sonnemann, C.L. Wagner, G.D. Rockefeller, "Magnetizing inrush phenomena in transformer banks", AIEE, Oct. 1958.

T.R. Specht, "Transformer magnetizing inrush current", AIEE Winter Meeting, 1951.

N. Srivallipurandan, "Series impedance and shunt admittance matrices of an underground cable system", M.A. Sc. Thesis, University of British Columbia, Vancouver, Canada, 1986.

"Digital Simulation of a Synchronous Generator in direct-phase quantities", P.Subramaniam, O.P. Malik, Proc. of IEE Vol. 118, No. 1, pp. 153-160, Jan. 1971.

S.R. Swanson, D.R. Smith, J.D. Borst, "Overvoltages with remotely-switched cable-fed grounded wye-wye transformers", IEEE Trans., Vol. PAS- 94, No. 5, Sept. /Oct. 1975.

EMTP Bibliography

05-Jul-96

A. Sweetana, N. Kunkle, N. Hingorani, V. Tahiliani, "Design, development and testing of 1200 kV and 550 kV gapless surge arresters", IEEE Trans. Power App. Syst., vol. PAS-101, pp. 2319-2327, July 1982.

G.W. Swift, "Power transformer core behavior under transient conditions", IEEE Trans. Power App. Syst., vol. PAS-90, pp. 2206-2210, Sept./Oct. 1971.

Talukdar, "METAP- A Modular and Expandable Program for Simulating Power System Transients," PAS 96, No. 6, Nov./Dec. 1976, pp. 1882-1891.

Talukdar, "METAP - A Modular and Expandable Program for Simulating Power System Transients," PAS 96, Number 6, Nov/Dec, 1976, Pages 1882-1891.

Tanabe, Ibuki, Sakuma and Yonezawa, "Simulation of the SF6 Arc Behavior by a Cylindrical Arc Model," PAS 104, No. 7, July, 1985, pp. 1903-1909.

C.W. Taylor, "Simulation of current transformers", Internal Report, Bonneville Power Administration, Feb. 1975.

E.R. Taylor Jr., "Grounding power system neutrals", IEEE Surge Protective devices committee, IEEE PES Winter Meeting Feb. 1979.

EMTP Bibliography

05-Jul-96

J.A. Tegopoulous, and E.E. Kriezis, "Eddy current distribution in cylindrical shells of infinite length due to axial current - Part II: Shells of finite thickness", IEEE PAS-90, pp.1287-1294, May 1971.

Teixeira and Charles, "Active Gap Arrester Model", EMTP Newsletter, Vol.1, No.5, Feb. 1981, pp. 13-20.

Teixeira, "Dynamic Arc Model in EMTP", EMTP Newsletter, Vol. 4, No. 2, Nov. 1983, pp. 14-27.

Teixeira and Charles, "Statistical Reclosing Studies", EMTP Vol.1, No.5, Feb. 1981, pp. 21-23.

Teixeira and Charles, "Active Gap Arrester Model" EMTP Newsletter, Vol. 1, No. 5, Feb. 1981, pp. 13-20.

Teixeira, "Dynamic Arc Model in EMTP" EMTP Newsletter, Vol.4, No.2, Nov. 1983, pp. 14-27.

C.V. Thio, et al, "Switching overvoltages on the Nelson River, HVDC system-studies, experience and field tests", IEEE Conference, 9-11 July 1980, Winnipeg.

EMTP Bibliography

05-Jul-96

W.F. Tinney and J.W. Walker, "Direct solutions of sparse network equations by optimally ordered triangular factorization", Proc. IEEE, vol. 55, pp. 1801-1809, Nov. 1967.

W.F. Tinney, V. Brandwajn and S.M. Chan, "Sparse vector methods", IEEE Trans. Power App. Syst., vol. PAS-104, pp. 295-301, Feb. 1985.

Toyoda, "Setting Initial Conditions on Lines with Shunt Reactors for Reclosing Studies", EMTP Newsletter, Vol. 2, No. 4, May 1982, pp. 43-54.

Toyoda, "Setting Initial Conditions on Lines with Shunt Reactors for Reclosing Studies", EMTP Newsletter, Vol. 2, No. 4, May 1982, pp. 43-54.

Van Dommelen and Maene, "TACS: A Note on an Additional Delay of One Time Step", EMTP Newsletter, Vol. 4, No. 3, Feb. 1984, pp. 13-17.

Van Dommelen, "About the Discretization Error and the Frequency Scan Usage with Synchronous Machines", EMTP Newsletter, Vol. 3, No. 3, Feb. 1983, pp. 49-52.

"Optimization of Initial Values of Mechanical Variables of Turbine-Generators Units in an Electromagnetic Transients Program", D.M. Van Dommelen, IEEE Trans., Vol. PAS-100, No. 2, pp. 4990-4994, Feb. 1981.

EMTP Bibliography

05-Jul-96

Vaz and Lima, "Portuguese 400-kV Network Field Tests. Simulation Studies", EMTP Newsletter, Vol. 2, No. 2, Sept. 1981, pp. 3-24.

Vaz and Lima, "Portuguese 400-kV Network Field Tests. Simulation Studies", EMTP Newsletter, Vol.2, No.2, Sept. 1981, pp. 3-24.

R.G. Wasley and S. Selvavinayagamorthy, "Approximate frequency-response values for transmission-line transient analysis," Proc. IEE, vol. 121, pp. 281-286, April 1974.

W.T. Weeks, L.L. Wu, M.F. McAllister, A. Singh, "Resistive and inductive skin effect in rectangular conductors", IBM Journal of Research and Development, vol. 23, no.6, pp. 652-660, Nov. 1979.

J. Weiss and Z.J. Csendes, "A one-step finite element method for multiconductor skin effect problems", IEEE Trans. Vol. PAS-101, pp.3796-3802, Oct. 1982.

H.J. west and A.L. Courts, "Current distribution within asymmetrical UHV bundles: A laboratory confirmation of analytical studies", IEEE Trans. Power App. Syst., vol. PAS -95, pp. 1487-1492, July/Aug. 1976.

Westinghouse Corp., "Transmission and distribution reference book", 4 ieme edition, C1964, Chapitre 5.

EMTP Bibliography

05-Jul-96

A. Wexler [editor], Large Engineering systems. Pergamon Press, Oxford, 1977. Contribution by P.B. Johns, "Numerical modelling by the TLM method".

Woodford, Gole and Menzies, "Digital Simulation of dc Links and ac Machines," PAS 102, No. 6, June 1983, pp. 1616-1623.

Woodford, "Validation of Digital Simulation of DC Links,' PAS 104, No. 9, Sept. 1985, pp. 2588-2595.

"A Synchronous Machine Model for Three-Phase Harmonic Analysis and EMTP Initialization", W.W. Xu, H.W. Dommel and J.R. Marti, Paper 91, WM 210-5 PWRs, IEEE PES Winter Meeting 91.

Yan, "Error Analysis of Some Numerical Integration Methods in Frequency Domain", EMTP Newsletter, Vol. 5, No. 3, July 1985, pp. 8-14.

Yan, "Steady-State Solution with Harmonic Distortion", EMTP Newsletter, Vol.3, No.2, Nov. 1982, pp. 14-21.

Yin Yanan, "An application of finite element method [FEM] to the calculations of transmission line parameters", Internal Report, Univ. of British Columbia, Vancouver, Canada, April 1986.

EMTP Bibliography

05-Jul-96

F.S. Young, R.L. Schmid, P.I. Fergestad, "A laboratory investigation of ferrosonance in cable-connected transformers, IEEE Summer Meeting 1966.

M. Kh. Zikherman, "Magnetizing characteristics of large power transformers", *Elektrichestvo* No.3, pp. 79-82, 1972. [in Russian; English translation in *Electric Technology USSR*.]