

G.A. Cividjian

R&D published papers chronology

1. Cividjian G., 1959, Parametrii optimi ai spirelor ecran ale electromagnetilor monofazati cu flux constant, (Optimal parameters of the shading coils of the single-phase constant flux electromagnets) *Studii si cercet. st., Fizica si St. tehn.* 1959, fasc.2, Iasi, p. 225-234.
2. Cividjian G., 1960, Asupra pulsatiei fortei la electromagnetii cu flux constant prevazuti cu spira ecran, (On the pulsating force in constant flux single-phase electromagnets with short-circuit rings) *Studii si cercet. st., Fizica si St. tehn.* 1960, fasc.1, Iasi, p. 119-134.
3. Cividjian G., 1960, Pulsatia fortei electromagnetice la decalaj limitat intre fluxul ecranat si cel neecranat la electromagnetii cu flux constant, (Electromagnetic force pulsation at limited phase lag between shaded and non-shaded flux of constant flux electromagnets) *Studii si cercet. st., Fizica si St. tehn.* 1960, fasc.2, Iasi, p. 284-291.
4. Cividjian G., 1962, Valoarea maxima a fortei minime la electromagnetii cu solenatie constanta, (The maximum value of the minimal force at the constant ampere-turns electromagnets) *Studii si cercet. st., Fizica si St. tehn.* 1962, fasc.2, Iasi, p. 295-301.
5. Cividjian G., Puscasu S., Wolf M., 1961, Calculul iluminarilor produse de izvoare lineare cu tuburi fluorescente, (Computing the linear fluorescent sources lights) *Electrotehnica*, 1961, nr.9, Bucuresti, p. 311-316.
6. Degeratu P., Cividjian G., 1962, Saturatia portiunii neecranate la electromagnetii cu flux constant, (The saturation of non-shaded part of pole at the constant flux electromagnets), *Lucr. Inst. Mine Petrosani*, vol.8, 1962, p. 295-301.
7. Cividjian G., 1963, Relatie pentru aprecierea gradului de pilpiire la sistemele de iluminat fluorescent, (Relation for the blinking level of the systems of fluorescent light), *Electrotehnica*, Bucuresti, 1963, nr.10, p. 383-386.
8. Cividjian G., 1969, Calculul spirei in scurt circuit de la electromagnetii monofazati cu flux constant, (Computing the shading coils of the single-phase constant flux electromagnets), *The II-d Conference on Electricity*, section 2, Bucuresti, 23-26 Sept., 1969, 12 p.
9. Cividjian G., 1970, Reactanta de dispersie a spirei ecran, (Leakage inductance of shading coil), *Studii si cercet. de energ. si electroteh.*, Bucuresti, t. 20, nr.1, 1970, p. 97-107.
10. Cividjian G., 1970, Asupra calculului spirei ecran de la electromagneti cu considerarea dispersiei, (Computing the electromagnet shading coil considering the leakage flux) *Analele Universitatii din Craiova*, seria 4, vol. 1, 1970, p.233-240.
11. Cividjian G., 1971, Influenta adincimii crestaturii si a saturatiei asupra factorului lui Carter, (The influence of the slot depth and of the saturation on the Carter coefficient), *Technico-Scientific Session of ICPE*, Bucuresti, 6-8 May 1971, 6 p.
12. Cividjian G. Paduraru N., 1972, Campul magnetic in transformatoarele cu miez cilindric, (The magnetic field in the cyllindrical core transformers), *The III-d Conference on Electricity and the 8-th Technico-Scientific Session of ICPE*, section 1, poz. 4, Bucuresti, 21-23 sept., 1972, 8 p.
13. Cividjian G., 1972, Inductanta crestaturilor cu pene magnetice, (The inductance of the slots with magnetic wedges) *The III-d Conference on Electricity and the 8-th Technico-Scientific Session of ICPE*, section 1, poz. 4, Bucuresti, 21-23 Sept., 1972, 10 p.
14. Cividjian G., 1974, Permeanta dintre polii electromagnetilor de retinere, (The permeance between the poles of flat armature bipolar magnets) *Analele Universitatii din Craiova*, seria 5, nr. 2, 1974, p.419-422.

15. Cividjian G., Paduraru N., 1975, Consideratii asupra calculului transformatoarelor de masura, (On the calculation of the instrument transformers), *Analele Universitatii din Craiova*, seria Mat. Fiz. Chim. Electr., nr. 3, 1975, p.87-90.
16. Cividjian G., 1975, Rascet ekraniruiuscih vitkov odnofaznyh elektromagnitov, (Computing the shading coils of single-phase electromagnets), *Elektrotehnika*, Moskva, 1975, nr.9, p. 54-57, ISSN 0013-5860.
17. Cividjian G. Radulian G., 1976, Inductanta electromagnetilor cu armatura in T , (The Inductance of the T-armature electromagnets), *The 12-th Technical-Scientific Session of ICPE*, ref. 185/A 1-10, Bucuresti, 4-6 Nov., 1976, 11 p.
18. Cividjian G. Degeratu P. Cernian O., 1976, Dimensionarea electromagnetilor cu armatura in T, (Dimensioning the T-armature electromagnets) *The 12-th Technical-Scientific Session of ICPE*, ref.152/G III-20, Bucuresti, 4-6 Nov. 1976, 7p.
19. Saviuc V. Cividjian G., 1976, Marimile caracteristice nominale ale motorului cu condensator avind infasurari statorice nesimetrice, (The rated characteristics of condenser motors with asymmetrical stator windings),*The 12-th Technical-Scientific Session of ICPE*, ref. 151/B 3-30, Bucuresti, 4-6 Nov., 1976, 47 p.
20. Cividjian G. Degeratu P. Cernian O., 1976, The calculation of the dimensions for an electromagnet with T-armature, *Proceedings of the 13th conference on Design automation* San Francisco, California, United States, June 28-30 1976, p. 495-501.
21. Cividjian G., 1977, Rascet poliusnogo ekrana elektromagnitov iz uslovia minimal'noi pul'satzii usilia pri zadannom urovne porter' v ekrane, (Computing the shaded pole magnet from the condition of minimal force pulsation at fixed level of losses in the shading coil), *Izv. VUZ - Elektromehanika, Izv. VUZ Elektromehanika*, 1977, nr.7, p.815-823, ISSN 0136-3360.
22. Cividjian G., 1980, Rascet ekraniruiuscih vitkov E-obraznyh elektromagnitov, (Computing the shading coils of E-type electromagnets), *Analele Universitatii din Craiova*, seria Electroteh. Mec., nr. 6, 1980, p.83-87.
23. Cividjian G., 1981, The leakage inductance of elektromagnet shading coil (intra-slot part), *Archiv für Elektrotechnik*, West Berlin, 64, (1981) p.135-136, 0003-9039, ISSN: 0948-7921.
24. Cividjian G., 1981, Consideratiuni privind sistemele neconventionale de comutatie, (On the non-conventional switching systems), *The Jubilee Session of the University of Craiova and CCSIT-R&D Institute Electroputere*, Craiova, 27-28 Nov. 1981, A p. 153-159.
25. Cividjian G. Cernian O., 1981, Calculul spirelor in scurt circuit al electromagnetilor la minimul pulsatiei fortei, (The calculation of shading coils of electromagnets for minimal force pulsation), *The Jubilee Session of the University of Craiova and CCSIT-R&D Institute Electroputere*, Craiova, 27-28 Nov. 1981, E p. 55-72.
26. Cividjian G., 1982, Inductanta de dispersie a spirei in scurt circuit (partea frontala), (The leakage inductance of shading coil (frontal part), *National Conference on Electricity and Energy, CNEE '82*, vol.1, Timisoara, 17-18 Sept. 1982, p.49-57.
27. Cividjian G., Popa I., Leoveanu M., 1982, Forta de atractie la electromagnetii cu armatura in T, (The force of T-armature electromagnets), *National Conference on Electricity and Energy, CNEE '82*, vol. 9, Timisoara, 17-18 Sept. 1982, p. 65-70.
28. Saviuc V., Cividjian G., 1982, Vlianie nesimmetricnosti statornyh obmotok na nominal'nye pokazateli kondesatornyh dvigatelei, (Influence of the asymmetry of the stator windings on the rated parameters of condenser motors), *Rev. Roum. Sci. Tech.- Electrotech. et Energ.*, t.27, 1982, nr.2, p. 173-184, RM-ISSN 0035-4066.
29. Cividjian G., 1983, Nomograma pentru determinarea parametrilor unei generalizari a repartitiei gamma, (Nomogram for the determination of the parameters of one of the generalisations of Gamma distribution), *Metrologia aplicata*, Bucuresti, 1983, nr.2, p.73-76.

30. Cividjian G., 1983, Transformator s rasclenennym serdecnikom, (Fragmented core transformer), *Rev. Roum. Sci. Tech.- Electrotech. et Energ.*, t.28, 1983, nr.3, p.267-275, RM-ISSN 0035-4066.
31. Cividjian G., 1984, Capacitatea partiala dintre conductoarele cilindrice ale liniei trifazate, (Partial capacitance between cylindrical conductors of three-phase line), *National Conference on Electricity and Energy, CNEE '84*, vol.1, Craiova, 20-21 Sept. 1984, p.19-24.
32. Cividjian G. Saviuc V. Popa I. Leoveanu M., 1984, Dimensionarea inductantelor de netezire, (Dimensioning the smoothing inductors), *National Conference on Electricity and Energy, CNEE '84*, vol.1, Craiova, 20-21 Sept. 1984, p.55-60.
33. Cividjian G. Popa I. Leoveanu M., 1984, Programs for the dimensioning of U, E and T - electromagnets, *The 4-th National Conference on Electrical Drives*, Craiova, 1984, C p.69-74.
34. Cividjian G., 1984, Program in Basic de aproximare prin polinoame, (The Basic program for polynomial interpolation), *The III-th National Symposium on Systems Theory*, vol.2, Craiova, 1984, p. 381-385.
35. Cividjian G., 1985, Kaskadnyí generator postoyynogo toka, (Direct current high voltage cascade generator), *Rev. Roum. Sci. Tech.- Electrotech. et Energ.*, t.30, 1985, nr.1, p.51-58, RM-ISSN 0035-4066.
36. Cividjian G., 1985, Stepennaia approksimatiia granicinyh uslovii pri rescete polei razdeleniem peremennyh, (The power approximation of boundary conditions at field calculation by variables separation), *The III-th International Symposium on Theoretical Electricity*, Moscow, 1985, t.2, p.128-129.
37. Cividjian G., 1985, Dimensionarea transformatoarelor cu miezuri fragmentate pentru instalatii electrofizice, (Dimensioning the fragmented core transformers for electrophysical devices), *Probleme actuale ale progresului tehnic (Actual problems of technical progress) vol.1, ICPE*, Bucuresti, 19-20 Sept. 1985, p. 201-204.
38. Cividjian G., 1986, Vlianie glubiny paza i nasyscenia na koeffitient vozdushnogo zazora, (The influence of the slot depth and of the saturation on the Carter coefficient), *Elektrichestvo*, 1986, nr.6, p.59-61, ISSN 0013-5380.
39. Cividjian G., 1987, The leakage inductance of electromagnet shading coil (out-slot part), *Bul. Inst. Politeh. Iasi*, t.33, (37), fasc.1 - 4, 1987, sectia 3, p. 47-51.
40. Cividjian G., Paduraru N., 1985, The stray capacitance between frontal part of the core and the cylindrical screen of the measuring core type transformer, *Analele Universitatii din Craiova*, seria Electroteh. Mec., nr. 7-9, 1985, p.35-39.
41. Cividjian G., 1986, The magnetic field of magnetic pulleys separators, *Proceedings of 4-th National Symposium on Superconductivity and Cryoelectrotechnics*, Craiova, Nov. 1986, p. 97-132.
42. Cividjian G., 1989, Expriarea vectoriala a fortei de frecare viscoasa in plasma arcului electric, (Vectorial expression of viscous friction force in electric arc plasma) *The II-symposium on HV and LV Electrical Apparatus*, 19-20 Oct. 1989, Bucuresti, p.2.
43. Cividjian G., 1991, The magnetic field of magnetic pulleys separators, *Analele Universitatii din Craiova*, seria Electroteh. Automat., nr. 12-14, 1991, p.40-47.
44. Cividjian G. Catrina D. Popa I., 1991 Capacitance switching with SF6 circuit breakers, *Proceedings ICATE '91*, B8, Craiova 21-23 Nov. 1991, 6 p.
45. Popa I. Cividjian G., 1991, Electrical instalation for signalization of the breaks produced by inclusions of the transport ferromagnetic cross insertion bands, *ICATE '91*, B29, Craiova 21-23 Nov. 1991, 6 p.

46. Cividjian G., Cerbulescu D., 1991, Kommutacionnye perenapriajenia na tiristorah (The switching over voltages on the thyristors), *Analele Universitatii din Craiova*, seria Electroteh. Automat., nr. 12-14, 1991, p. 48-54.
47. Cividjian G., Cividjian N., 1992, The magnetic field calculation in the skin-effect thicknessmeters, *Modelling, Simulation & Control, A, AMSE Press*, vol. 41, nr.3, 1992, p.11-17.
48. Cividjian G. Cividjian N., 1992, Rascet transformatora s rasclenennym serdecnikom dlea pitania elektrofiziceskih ustroistv, (Computing the fragmented core transformer for electrophysical devices), *Accelerators'92, Seventh Conference on Applied Accelerators*, St. Petersburg, 16-18 June, 1992, Tezisy dok., TNIIatominform, Moscow, p. 57-58.
49. Cividjian G., Vlase S. Gugu C., 1993, Losses in shielded busbars, *Int. Conf. on Applied and Theoretical Electricity, Craiova, ICATE '93*, Proceedings, Session A+B, p. 218-223.
50. Cividjian G., Stanescu Dana, 1993, Program package for electrodynamic forces and loss calculation, *Int. Conf. on Applied and Theoretical Electricity, Craiova, ICATE '93, Proceedings* Session A+B, p. 224-231.
51. Cividjian G., 1993, Gas dynamics of switching arc, *Modelling, Measurement & Control, B, AMSE Press*, vol. 50, nr.4, 1993, p.19-24, ISSN 1259-5969.
52. Cividjian G., 1993, Arc enegy conservation equation, *Switching Arc Phenomena 93, Seventh Int. Conf. on Switching Arc Phenomena, SAP' 93*, 27 Sept.- 1 Oct. 1993, LÓDZ, Poland, Part 1: Conference materials, p. 14-18.
53. Corneanu G. C., Corneanu M., Cividjian G. A., Badica C., Bica D., 1994, The use of magnetic fluids at "in vitro" plant tissue culture. III The orientation effect of the magnetite particles in culture media and explant age in *Mammillaria duwei (Fam. Cactaceae)*. *The IV-th Workshop on Magnetic Fluids and Applications*, Timisoara, 1994, Abstract Books, p. 44.
54. G. Corneanu, M Corneanu, G. Cividjian, C.Badica, D. Bica, L. Vekas, 1994, The magnetic fluids and the interaction magnetic fluids - magnetic field at in vitro tissue plant culture, *VIII - Int. Congress of Plant Tissue and Cell Culture*, Firenze, June 12-17, 1994.
55. Cividjian G., 1994, About black box arc model in relative units, *XI-th Symposium on Physics of Switching Arc*, Brno, Sept. 26 - 30, 1994, p 33-36.
56. Cividjian G. Crisu T., 1994, Operating speed distribution for DAM - type circuit breakers mechanisms, *Proceedings of the 4 - th Int. Conf. on optimization of electrical and electronic equipments*, Brasov, May 12 - 14, 1994, vol.4, pp 3-8.
57. Cividjian G. Cividjian N. Cividjian A., 1995, Mathematical Modelling of Thermal Processes in Vacuum Fuses, *The 5-th International Conference on Electrical Fuses and their Applications, ICEFA'95*, 25th - 27th Sept., 1995, VDE Verlag, Technical University Ilmenau, Germany, Proceedings, pp. 150 – 156, ISBN 3-8007-2139-2.
58. G. C. Corneanu, G. Cividjian, V. Grigoriu, Mihaela Corneanu, Sina-Niculina Cosmulescu, Doina Bica, 1995, Electromagnetic field - magnetic fluid interaction effects on *in vitro* morphogenesis process in *Drosera rotundifolia*, *Symposium on Recent Advances in Plant Biotechnology*, Institute of Plant Genetics, October 2-6, 1995, Nitra, Slovak Republic, Book of Abstracts, pp.143-147.
59. Cividjian G. Cividjian N. Cividjian A., 1995, Modelling the Vacuum Fuses, *First National Symp. on High Current and High Voltage Tests, Measurements and Qualification of Electrical Equipment, ICMET- Craiova (RO)*, 26-29 Sept. 1995, Proceedings vol. II, pp. 211-216, ISSN 1224-0575..
60. G. A. Cividjian, N. G. Cividjian, 1996, Defect size determination by leakage magnetic field characteristics, *OPTIM '96, Proceedings of the 5-th Int. Conf. on Optimization*

of Electric and Electronic Equipments, Brasov (Romania), May 15 - 17, 1996, pag. 105 – 108, ISBN 973-97549-3-7.

61. G. A. Cividjian, N. G. Cividjian, 1996, Analytical solution for Kema's arc model before current zero, ICATE '96, *Proceedings of the Int. Conf. on Applied and Theoretical Electricity*, vol II, Craiova (Romania), June 6 - 7, 1996, pag. 28 - 33.

62. G. A. Cividjian, N. G. Cividjian, 1996, Modelling the magnetic field in fragmented core transformer, *7-th International IGTE Symposium on Numerical Field Calculation in Electrical Engineering, Proceedings*, p. 1, Graz, Austria, Sept. 23-25, 1996, pp. 88-93.

63. G. A. Cividjian, N. G. Cividjian, 1996, Kema's arc model before current zero (Analytical approach), *XII-th Symposium on Physics of Switching Arc*, TU Brno (Czech Rep.) October 14-18, 1996, Volume I: Contributed Papers, pp. 37-40, ISBN 80-214-0740-9.

64. Cividjian G. A., Cividjian N. G., Cividjian A. G, 1997, Power Approximation of Boundary Conditions, *Numelec' 97, Seconde Conférence Européenne sur les Méthodes Numériques en Electromagnétisme*, 19-21 mars, 1997, Ecole Centrale de Lyon, France, pp. 252-253.

65. Cividjian G. A., Cividjian N. G., Cividjian A. G, 1997, Air core transformer for HVDC cascade generator, *SIELA' 97, the 10 - th Int. Symp. on Electrical Apparatus and Technologies*, 30 -31 May 1997, Plovdiv, Bulgaria, pp. 52 -57.

66. Cividjian G. A., Cividjian N. G., Jan Klejch, 1997, Kema's arc model before current zero (Parameters evaluation), *SAP & ETEP - 97, 8 - th Int. Conf. on Switching Arc Phenomena with satellite Int. Symp. on Electrical Technologies for Environmental Protection*, 3 -6 September, 1997, Łódz, Poland, Part I: Conference Materials, pp. 12 – 15, ISBN 83-87198-20-X.

67. Cividjian G. A., Cividjian N. G., Jan Klejch, 1997, Kema arc model parameters evaluation, *1-st Seminar on Project Contact No. 101, Electrophysical and Thermophysical processes in Low temperature Plasma"*, Brno, Czech Rep. October 20-25, 1997, pp.108-112, ISBN 80-214-0912-6.

68. Cividjian G. A., Cividjian N. G., Jan Klejch, 1998, Kema arc model parameters evaluation, *OPTIM '98, Proceedings of the 6-th, Int. Conf. on Optimization of Electrical and Electronic Equipment*, Brasov, May 14-15, 1998, pp. 215 – 220, ISBN 973-98511-2-6.

69. Cividjian G. A., Georgescu Dan, 1998, Modelling the capacitance switching, *ICATE '98, Proceedings of the Int. Conf. on applied and theoretical electricity, vol. II*, Craiova, (Romania), June 4 - 6, 1998, Ed. Sitech, ISBN 973-9346-49-9, pp.35 - 40.

70. Cividjian G. A., Silvis-Cividjian N. G., Jan Klejch, 1998, Kema arc model during the voltage slump, *XIII-th Symp. on Physics of Switching Arc*, Brno, Sept. 7-11, 1998, Vol. I, pp. 57-60, ISBN 80-214-1171-6.

71. Cividjian G. A., Cividjian A. G., Silvis-Cividjian N. G., 1998, Short-circuit current distribution in contacts, *Proceedings of the 8-th International Symposium on Short-circuit currents in Power systems*, Brussels (Belgium), 8-10 October, 1998, pp. 169-172.

72. Cividjian G. A., Silvis-Cividjian N. G., Cividjian A. G., 1998, Inductance of Plunger - Type Magnet, *IEEE Transactions on Magnetics*, vol. 34, no. 5, pp. 3685-3688, September 1998, ISSN 0018-9464.

73. Cividjian G. A., Silvis-Cividjian N. G., Jan Klejch, 1998, Influence of test circuit parameters on current zero arc conductance, *2-nd Seminar on Project Contact No. 101, Electrophysical and Thermophysical processes in Low temperature Plasma"*, Brno, Czech Rep. November 23-25, 1998, pp.1-6, ISBN 80-214-1239-9.

74. Cividjian G. A., Klimov Victor, 1999, Utilizarea diferentelor finite la studiul efectului pelicular cu considerarea histerezisului, *Simpozionul National de Electrotehnica, ELECTRO'99 vol 1*, Craiova, 27-28 August, 1999, pp. 123-128, ISBN 973-0-00898-1.

75. Cividjian G. A., Climov Victor, Cealicu D, 1999, Determinarea prin MEF a campurilor de temperaturi, deplasari si eforturi unitare in inelele de rulmenti, *Simpozionul National de Electrotehnica, ELECTRO'99 vol 1*, Craiova, 27-28 August, 1999, pp. 229 – 234, ISBN 973-0-00898-1.
76. Cividjian G. A., Silvis-Cividjian N. G., Cividjian A. G., 1999, Two Formulas for 2D Permeances, *9-th International Symposium on Electromagnetic Fields in Electrical Engineering, ISEF ' 99*, September 23 - 25, 1999, Pavia, Italy, pp. 269 – 272, ISBN 83-87202-62-2.
77. Serban Traian, Cividjian Grigore, 1999, Dublarea rezolutiei sistemelor numerice de masurare si protectie, *A doua Conferinta Internationala de Sisteme Electromecanice, SIELMEC '99*, 8 - 9 Octombrie 1999, Chisinau, pp. 93-96.
78. Cividjian G. A., Georgescu D., Popela R., Bartl J., Vavra Z., 1999, One dimensional gas flow in circuit-breaker nozzle, *3-rd Czech-Russian Seminar on Project Contact No 101(98), Electrophysical and Thermophysical Processes in Low-Temperature Plasma*, Brno, Czech Republic, November 16 - 19, 1999, pp. 37 – 40, ISBN 80-214-1342-5.
79. Cividjian G. A., Georgescu D., 1999, Restrike conditions in capacitance switching, *XI-th Intern. Symposium on Electrical Apparatus and Technologies, SIELA'99*, Plovdiv Bulgaria, 27-28 May, 1999, Proceedings Vol. II, pp. 39-44.
80. Cividjian G. A., Georgescu D., 2000, Restrike conditions in capacitance switching, *Proceedings of the 7-th Int. Conf. on Optimization of Electrical and Electronic Equipment, OPTIM 2000*, Brasov, May 11-12, 2000., vol I, pp. 215-220, ISBN 973-9474-61-6.
81. Cividjian G. A., Cividjian A. G., Silvis-Cividjian N. G., 2000, Two formulas for 2D permeances, *COMPEL*, Vol. 19, No. 2, 2000, pp. 260-267, ISSN 0332-1694, www.emeraldinsight.com/0332-1649.htm, <http://www.emeraldinsight.com/doi/pdfplus/10.1108/EUM0000000005355>
82. Cividjian G. A., Proca Victor, 2000, Impedance of thin busbar in ferromagnetic channel, *Proceedings on the International Conference on Applied and Theoretical Electricity - ICATE 2000 and 7-th Symposium on Crioelectrotehnics and Criogenics - SCC 7*, Craiova, May 25-26, 2000, Sitech Publisher, pp. 157-159, ISBN 973-657-005-3.
83. Cividjian G. A., Klejch Jan, Georgescu D., 2000, Black-Box Arc Model, *4-th Czech-Russian Seminar on Project Contact No 101(98), Electrophysical and Thermophysical Processes in Low-Temperature Plasma*, Brno, Czech Republic, October 23 - 27, 2000, pp. 12 - 20, ISBN 80-214-1600-9, (invited lecture).
84. Cividjian G. A., Matei M. Daniel, Vlase Serghie, 2000, Rotation switch electro-dynamic forces, *Conferinta Nationala de Energetica, CNE-M-2000*, 19-21 Octombrie 2000, Chisinau, Moldova, pp. 15-20.
85. Cividjian G. A., Cividjian A. G., Silvis-Cividjian N. G., 2000, Some Formulas for 2D Permeances, *IEEE Transactions on Magnetics*, vol. 36, no. 5, pp. 3754-3758, September 2000, ISSN 0018-9464. [10.1109/20.908340](https://doi.org/10.1109/20.908340)
86. Cividjian G. A., Pascu Ileana, Bunescu A., Matei D. M., Dolan Alin, 2001, Experimental study of the resistance of flat Cu-W contacts, *SIELA' 2001, the XII - th Int. Symp. on Electrical Apparatus and Technologies*, 31 May - 1 June 2001, Plovdiv, Bulgaria, pp. 58 -65.
87. Paduraru Nicolae, Cividjian G. A., 2001, Voltage bar core transformer, *SIELA' 2001, the XII - th Int. Symp. on Electrical Apparatus and Technologies*, 31 May - 1 June 2001, Plovdiv, Bulgaria, pp. 245 -250.
88. Cividjian G. A., Jan Klejch, Dan Georgescu, 2000, One case of black-box arc model development, *Revue Roumaine des Sciences Techniques, Série Electrotechnique et Energetique*, t. 45, no. 4, pp. 547-552, Bucarest, 2000, RM-ISSN 0035-4066.

89. Cividjian G. A., Jan Klejch, Dan Georgescu, 2001, Switching arc time constant and cooling power, *XIV-th Symposium on Physics of Switching Arc*, Vol 1: Contributed papers, Brno, Czech Republic, Sept. 10-14, 2001, pp. 36-40.
90. Cividjian G. A., Cividjian A. G., Silvis-Cividjian N. G., 2001, Capacitance of two coplanar plates near a parallel plane conductor, *Proceedings of X International Symposium on Electromagnetic Fields in Electrical Engineering - ISEF'2001*, September, 20-22, 2001, Cracow, Poland, pp. 327-330.
91. G. A. Cividjian, Catalin Mihail, Gheorghe Dumitru, 2001, Electrodinamic forces and thermal field in electric contacts, *Proceedings of 5th Intern. Conference on Applied Electromagnetics, PES 2001*, Niš, Yugoslavia, 8-10 October, 2001, pp. 37-40, YU ISBN 86-80135-46-1.
92. V. Climov, G. Cividjian, I. Cealicu, S. Dan, C. Ghita, 2001, Optimal electromagnetic power transfer in iron magnetical paralel plane pieces devices, *Proceedings of the fourth Int. Power Systems Conf.*, Timisoara, Nov. 8-9, 2001, vol. 1, p. 91-96.
93. V. Climov, G. Cividjian, I. Cealicu, S. Dan, C. Ghita, 2001, Determinarea prin MEF a campurilor de deplasari si eforturile unitare in imbinarile cu strangere ax-rulment..., *Colocviul national de Metode, instalatii si echipamente pentru masurarea, gestiunea si conservarea energiei, Ed. VI-a, partea II-a*, Craiova, 10-11 Decembrie, 2001, pp. 67-71.
94. G. A. Cividjian, Gh. Călin, D. Popa, 2002, Initial voltage distribution on two capacity coupled transformer windings, *Proceedings on the International Conference on Applied and Theoretical Electricity - ICATE 2002*, Craiova / Băile Herculane, Romania Oct. 17-19, 2002, pp. 199-202, ISBN 973-8043-169-9.
95. G. A. Cividjian., Alin Dolan, Victor Cimov, Ali Ihsan Canakoglu, 2002, Inductance of plunger-type electromagnet, *Proceedings on the International Conference on Applied and Theoretical Electricity - ICATE 2002*, Craiova / Băile Herculane, Romania Oct. 17-19, 2002, pp. 193-198, ISBN 973-8043-169-9.
96. S. Diga, G.A. Cividjian, V. Ivanov, 2003, Calculation of the illuminance produced by linear sources, *XIII-th Int. Symp. on Electrical Apparatus and Technologies, SIELA 2003*, Plovdiv, Bulgaria, 29-30 May 2003 Proceedings vol. 1, 78-83.
97. G.A. Cividjian, 2003, Partial inductance calculation using Green functions - External inductance of plunger type magnet, (Invited paper), *Proceedings of full papers of 6-th Int. Conf. on Applied Electromagnetics, PES 2003*, Niš, Serbia and Montenegro, 1-3 June, 2003, pp.61-66, ISBN 86-80135-75-5.
98. G. A. Cividjian, Jan Klejch, Dan Georgescu, 2003, Black-box arc model after current zero, *XV-th Symposium on Physics of Switching Arc*, Vol 1: Contributed papers, Ski Hotel, Nove Mesto na Morave, Brno, Czech Republic, Sept. 22-26, 2003, pp. 48-51, ISBN 80-214-2307-2.
99. G. A. Cividjian, 2003, Current distribution in variable section fuses, *ICEFA - Seventh Int. Conf. on Electrical Fuses and their Applications*, Gdansk – Jurata, Poland, Sept. 8-10, 2003, pp. 194 – 199, ISBN 83-88829-76-9.
100. G. A. Cividjian, 2003, Virtual cathode in drift space, *PLTP-03 - Int. Conf. on Physics of Low Temperature Plasma*, Kyiv, Ukraine, May 11-15, 2003, Abstracts, paper 12.23.122.
101. G. A. Cividjian, 2003, Current distribution in rectangular busbars, *Revue Roumaine des Sciences Techniques, Série Electrotechnique et Energetique*, t. 48, no. 2-3, pp. 313-320, Bucarest, 2003, RM-ISSN 0035-4066.
102. G. A. Cividjian, A. G. Cividjian, N. G. Silvis-Cividjian, 2004, “Corner” electrodynamic force, *IEEE Transactions on Magnetics*, vol. 40, Issue 2, March 2004, 384-389, ISSN 0018-9464.

103. G. A. Cividjian, A. Dolan, N. Păduraru, 2004, Inductance of cylindrical coil, *Serbian Journal of Electrical Engineering*, vol. 1, no. 2, June 2004, 143 – 151, YU ISSN 1451-4869.
104. G. A. Cividjian, 2004, Using Lamé method to solve Laplace's equation, (Invited paper), *Int. PhD – seminar on Computation of Electromagnetic Field*, 23-28 September 2004, Budva / Serbia & Montenegro, pp. 35 – 45, ISBN 86-80135-93-3.
105. G. A. Cividjian, Gh. Călin, D. Popa, Virginia Ivanov, 2004, Simplified theory of free oscillations in two magnetically coupled windings, *Proceedings of the 7-th Int. Conf. on Applied and Theoretical Electricity, ICATE 2004*, Baile Herculane, October 14-15, 2004, pp.281-284, ISBN 973-8043-554-4.
106. V. Ivanov, G. A. Cividjian, M. Brojboiu, S. Ivanov, 2004, Experimental monitoring system for electrical equipments, *Proceedings of the 7-th Int. Conf. on Applied and Theoretical Electricity, ICATE 2004*, Baile Herculane, October 14-15, 2004, pp.244-247, ISBN 973-8043-554-4.
107. G. A. Cividjian, Gh. Călin, Dorin Popa, Alin Dolan, 2004, Modeling lightning surges in power transformers, *The Second Int. Symposium on High Voltage and High Power Tests, Measurements and Certification of Electric Power Equipment, SIMC-EE 2004*, Baile Herculane, October 14-15, 2004, p.19, pp. I.12, ISSN 1224-0575.
108. G. A. Cividjian, Gh. Călin, Dorin Popa, Alin Dolan, 2005, Impedance voltage of power multi-winding autotransformer, *XIV-th Int. Symp. on Electrical Apparatus and Technologies, SIELA 2005*, Plovdiv, Bulgaria, 2-3 June 2005, Proceedings vol. 1, 39-44, ISBN 954-90209-4-0.
109. V. Ivanov, G. Cividjian, S. Ivanov, 2005, User interface for monitoring system of electrical equipment, *XIV-th Int. Symp. on Electrical Apparatus and Technologies, SIELA 2005*, Plovdiv, Bulgaria, 2-3 June 2005, Proceedings vol. 1, 113-118, ISBN 954-90209-4-0.
110. G. A. Cividjian, 2005, Bulk coil complex permeability, *Proceedings of extended abstracts of the 7-th Int. Conf. on Applied Electromagnetics, PES 2005*, Niš, Serbia and Montenegro, 23-25 May, 2005, pp. 117-118, ISBN 86-85195-06-3.
111. G. A. Cividjian, R. Cramariuc, 2005, Modeling the electrostatic discharge test generator, *XVI-th Symposium on Physics of Switching Arc, Vol 1: Contributed papers*, Ski Hotel, Nove Mesto na Morave, Brno, Czech Republic, Sept. 5-9, 2005, pp. 40-45, ISBN 80-214-2931-3.
112. G. A. Cividjian, 2005, Some formulas for partial capacitances, (Invited paper), *Int. PhD – Seminar on Numerical Field Computation and Optimization in Electrical Engineering*, 20-25 September 2005, Ohrid / Macedonia, pp. 45 – 54, ISBN 9989-630-47-x..
113. Cividjian, G.A., Cividjian, A.G., Andrei, D., 2006, "Corner" and "Constriction" Capacitances, *7-th International Symposium on Electric and Magnetic Field - EMF 2006, Book of summaries*, pp.129-130, Aussois (France), June 19-22, 2006.
114. G. A. Cividjian, 2006, Constriction resistance of bandwidth reduction, *Annals of the University of Craiova, Electrical Engineering series, no. 30, 2006*, pp. 79-83. ISSN 1842-4805. http://elth.ucv.ro/fisiere/anale/2006/2_7.pdf
115. A. Dolan, G. A. Cividjian, I. Yatchev, G. Calin, D. Popa, 2006, Three dimensional numerical solution for impedance voltage of power multi-winding autotransformer, *Annals of the University of Craiova, Electrical Engineering series, no. 30, 2006*, pp. 326-329. ISSN 1842-4805.
116. G. A. Cividjian, A. G. Cividjian, 2006, Constriction and Corner Permeances for Finite Domains, *IEEE Transaction on Magnetics*, vol. 42, Issue 12, (Dec. 2006), pp. 3825-3831, ISSN: 0018-9464. [10.1109/TMAG.2006.883491](http://dx.doi.org/10.1109/TMAG.2006.883491)

117. A. Dolan, G. A. Cividjian, I. Yatchev, G. Calin, D. Popa, 2007, Different formulations for power multiwinding transformer impedance voltage evaluation, *XV-th Int. Symp. on Electrical Apparatus and Technologies, SIELA 2007*, Plovdiv, Bulgaria, 31 May-1 June 2007, Proceedings vol. II, 15-24, ISBN 978-954-9726-01-5.
118. G. A. Cividjian, Jan Klejch, Ovidiu Dan Andrei 2007, Black box arc model parameters determination from oscillograms, *XVII-th Symposium on Physics of Switching Arc, Vol 1: Contributed papers*, Ski Hotel, Nove Mesto na Morave, Brno, Czech Republic, Sept. 10-13, 2007, pp. 53-56, ISBN 80-214-2931-3.
119. G. A. Cividjian, Monica Enache, 2007, Rotor permeances of some type of reluctance motors, *SIELMEN*, Oct. 4-6, 2007, Chisinau, Rep. Moldova, *Annals of the University of Craiova, Electrical Engineering series, no. 31, 2007*, vol. II, pp. 184-187, ISSN 1842-4805.
120. Alin Dolan, G. A. Cividjian, 2007, Numerical solutions for transient electromagnetic field in rectangular bars, *National Symp. on Theoretical Electrical Engineering, SNET'07, Conf. Proceedigs*, 12-14 Oct. 2007, Bucharest, Romania, pp. 406-411, ISBN 978-973-718-899-1, <http://snet.elth.pub.ro/snet2007/final/index.pdf> .
121. G. A. Cividjian, 2008, Initial magnetic field distribution around rectangular busbars, *Annals of the University of Craiova, Electrical Engineering series, no. 32, 2008*, pp. 68 - 71. ISSN 1842-4805, Universitaria, , 9-th Int. Conf. On Applied and Theoretical Electricity, ICATE 2008. http://elth.ucv.ro/fisiere/anale/2008/2_7.pdf
122. A. I. Dolan, G. A. Cividjian, 2008, Numerical determination of rectangular busbars transient parameters, *Annals of the University of Craiova, Electrical Engineering series, no. 32, 2008*, pp. 210 - 215. ISSN 1842-4805, Universitaria, , 9-th Int. Conf. On Applied and Theoretical Electricity, ICATE 2008. http://elth.ucv.ro/fisiere/anale/2008/5_4.pdf
123. G. A. Cividjian, 2009, Permeance of fringing flux, *IEEE Transaction on Magnetics*, vol. 45, Issue 2, (Feb. 2009), pp. 694-700, ISSN: 0018-9464, DOI: [10.1109/TMAG.2008.2007666](https://doi.org/10.1109/TMAG.2008.2007666) .
124. G. A. Cividjian, A. Dolan, I. Yatchev, K. Hinov, 2009, On tractive force of plunger-type magnet, *XVI-th Int. Symp. on Electrical Apparatus and Technologies, SIELA 2009*, Bourgas, Bulgaria, 4-6 June 2009, Proceedings vol. I, 63-70, ISBN 978-954-323-530-8. <http://siela.tu-sofia.bg/>
125. G. A. Cividjian, 2009, New formulas for corner and constriction parameters, *4-th Int. PhD Seminar on Computational electromagnetics and bioeffects of electromagnetic fields, CEMBEF 2009*, August 28-30, 2009, Niš, Serbia, Proceedings of full papers, pp. 36-45. ISBN 978-86-85195-82-2. <http://phdseminar09.elfak.ni.ac.rs/>
126. E. Matagne, G. A. Cividjian and Virginie Kluyskens 2009, Exact expression of corner reluctances in a magnetic circuit of rectangular section, *ISEF 2009 - XIV International Symposium on Electromagnetic Fields in Mechatronics, Electrical and Electronic Engineering, Arras, France, September 10-12, 2009*, Book of digests, ISEF 09, ARRAS (France), pp. 77-78, ISBN: 978-2-84832-111-0, Id-020. <http://www.lsee.fr/isef09/>
127. G. A. Cividjian, E. Matagne, 2009, Resistance of arbitrary angle corner, *ISEF 2009 - XIV International Symposium on Electromagnetic Fields in Mechatronics, Electrical and Electronic Engineering, Arras, France, September 10-12, 2009*, Book of digests, ISEF 09, ARRAS (France), pp. 9-10, ISBN: 978-2-84832-111-0, Id-021. <http://www.lsee.fr/isef09/>
128. G. A. Cividjian, E. Matagne, 2010, Resistance of arbitrary angle corner, *Przegląd Elektrotechniczny (Electrical Review)*, ISSN 0033-2097, 86, Nr. 5/2010, pp. 83-86.
129. C. F. Ocoleanu, G Manolea, G. Cividjian, 2010, Experimental study of contact resistance variation for pantograph-contact line contact, *Proc. of the Int. Conf. on RISK*

- Management, assessment and mitigation (RIMA '10)* Univ. Politehnica Bucharest, Romania, April 20-22, 2010, pp. 101-105, ISSN: 1790-2769, ISBN: 978-960-474-182-3. www.wseas.org
130. C. F. Ocoleanu, G Manolea, G. Cividjian, C. A. Bulucea, 2010, Numerical Study of Thermal Field of Pantograph Contact Strip-Contact Line Wire Assembly, *4th WSEAS International Conference on energy planning, energy saving, environmental education (EPESE'10). 4th WSEAS International Conference on renewable energy sources (RES '10)*, Kantaoui, Sousse, Tunisia, May 3-6, 2010. ISSN: 1790-5095, ISBN: 978-960-474-187-8, www.wseas.org
131. G. A. Cividjian, Dumitru Broscareanu, 2010, Thermal field propagation in one, two and threedimensional half space, *Peoceedings of XI-th International Workshop on Optimization and Inverse Problems in Electromagnetism*, September 14 - 18, 2010, Sofia, Bulgaria, ISBN 978-954-438-855-3, pp. 23-24. <http://oipe.tu-sofia.bg/conftool3/>
132. G. A. Cividjian, Dumitru Broscareanu, Dorin Popa, 2010, On laser spark aided lightning protection, *Annals of the University of Craiova, Electrical Eng. Series*. No. 34, 2010, ISSN 1842-4805, pp.152-155. <http://elth.ucv.ro/fisiere/anale/2010/29.pdf>
133. Dumitru Broscareanu, G. A. Cividjian, 2010, On the ampacity of insulated conductors in conduit, *Annals of the University of Craiova, Electrical Eng. Series*. No. 34, 2010, ISSN 1842-4805, pp.148-152. <http://elth.ucv.ro/fisiere/anale/2010/28.pdf>
134. C. F. Ocoleanu, G Manolea, G. A. Cividjian, Alin Dolan 2010, Study of unevenness height distribution for graphite pantograph contact strip, *Annals of the University of Craiova, Electrical Eng. Series*. No. 34, 2010, ISSN 1842-4805, pp.119-124.
135. E. Matagne, G.A. Cividjian, V. Kluyskens, 2011, Exact expression of T-reluctances or resistances in a circuit of rectangular section, *ISEF 2011 - XV International Symposium on Electromagnetic Fields in Mechatronics, Electrical and Electronic Engineering* Funchal, Madeira, September 1-3, 2011, ISBN : 978-972-8822-24-8. PS.1.14, (Programme, p. 47). <http://www.apdee.org/index.php?pageid=1379>
136. G. A. Cividjian, Dumitru Broscareanu, 2011, Thermal field diffusion in one, two and three-dimensional half space, *Serbian Journal of Electrical Engineering*, Vol. 8, No. 3, Nov. 2011, pp. 229-244. <http://www.doiserbia.nb.rs/img/doi/1451-4869/2011/1451-48691103229C.pdf>, DOI: 10.2298/SJEE1103229C
137. G. A. Cividjian, 2012, New formulas for resistance of arbitrary angle corner, *XVII-th Int. Symp. on Electrical Apparatus and Technologies, SIELA 2012*, Bourgas, Bulgaria, 28-30 May 2012, Proceedings vol. I, 51-56, ISSN 1314-6297. <http://siela.tu-sofia.bg/>, <http://www.gbv.de/dms/tib-ub-hannover/749641843.pdf>
138. Alin-Iulian Dolan, G. A. Cividjian, 2012, Numerical solution for initial magnetic field distribution around rectangular bus bars, *XVII-th Int. Symp. on Electrical Apparatus and Technologies, SIELA 2012*, Bourgas, Bulgaria, 28-30 May 2012, Proceedings vol. I, 98-105, ISSN 1314-6297. <http://siela.tu-sofia.bg/>
139. G. A. Cividjian, 2012, Deep Slot Constriction Conductance, *Annals of the University of Craiova, Electrical Eng. Series*. No. 36, 2012, ISSN 1842-4805, pp.84-87, 11th International Conference on Applied and Theoretical Electricity ICATE 2012, Craiova, October 25-27, 2012, <http://elth.ucv.ro/icate/register/openconf.php>, DOI: 10.1109/ICATE.2012.6403390, http://elth.ucv.ro/fisiere/anale/2012/anale_16.pdf
140. G. A. Cividjian, 2014, Optimal shading coil cross-section for minimal ripple factor of ac electromagnet attracting force, *XVIII-th International Symposium on Electrical Apparatus and Technologies SIELA 2014*, 29-31 May 2014, Bourgas, Bulgaria, Proceedings of digests, pp. 19-20. <http://siela.tu-sofia.bg/conftoolsiela14/index.php?page=index#>

DOI: [10.1109/SIELA.2014.6871846](https://doi.org/10.1109/SIELA.2014.6871846)

141. G. A. Cividjian, 2014, Distorted constriction contact resistance between clamped slabs, *COMPEL: The International Journal for Computation and Mathematics in Electrical and Electronic Engineering*, Vol. 33 No. 4, 2014, pp. 1366-1378.

<http://www.emeraldinsight.com/doi/full/10.1108/COMPEL-07-2013-0250>

<http://dx.doi.org/10.1108/COMPEL-07-2013-0250>

142. G. A. Cividjian, [Ocoleanu, Florin](#) ; [Manolea, Gheorghe](#), 2014, Current distribution in crimped connections, [Applied and Theoretical Electricity \(ICATE\), 2014 International Conference on](#), Craiova , 23-25 Oct. 2014 DOI: [10.1109/ICATE.2014.6972589](https://doi.org/10.1109/ICATE.2014.6972589).

143. G. A. Cividjian, 2014, Initial Magnetic Field Distribution Around High Rectangular Bus Bars, *SERBIAN JOURNAL OF ELECTRICAL ENGINEERING* Vol. 11, No. 4 (special issue), December 2014, 523-534, http://www.journal.ftn.kg.ac.rs/Vol_11-4/01-Cividjian.pdf , DOI: 10.2298/SJEE1404523C

144. G. A. Cividjian, 2015, Optimal Heating Time for Cylindrical Items Removal from the Shaft, *Annals of the University of Craiova, Electrical Engineering series No.. 39*, 2015; ISSN 1842-480, pp. 30-35. <http://elth.ucv.ro/fisiere/anale/2015/5.pdf>

Books

1. G. A. Cividjian, 1996, *Aparate electrice, Izolatie si arc*, Ed. Avrameanca, Craiova, 1996, 158 p. ISBN 973-95659-4-8.
2. F.T. Tanasescu, M. Bologa, R. Cramariuc, (coordonatori), *Electrotehnologii vol. 2, Procesarea materialelor si tehnologii Chimice*, Editura Academiei, Bucuresti, 2002, 452 p., cap. 10: Separatoare magnetice (I. Bahrin, G. Cividjian), pp. 346-392.
3. G. A. Cividjian, A. G. Cividjian, 2003, *Modèles statistiques et fiabilité*, Université de Craiova, 2003, 120 p.
4. S. Wiak, E. Napieralska-Juszak, (ed.) *Computer field models of electromagnetic devices*, IOS press, Amsterdam, Berlin, Oxford, Tokyo, Washington DC, 2010, 935 p.: 4.5. 2009, *Exact expression of corner reluctances in a magnetic circuit of rectangular section*, E. Matagne, G. A. Cividjian and Virginie Kluyskens, pp.134-142.
5. F. T. Tanasescu, Mircea Bologa, Radu Cramariuc, Alexandru Bologa, Bogdan Cramariuc, *Electrotehnologii*, Protectia mediului, procesarea de materiale si control nedestructiv, Editura AGIR, Bucuresti, 2011, 764 p. ISBN: 978-973-720-353-3, Natalia Cividjian, Grigore Cividjian, Cap. 12: Bazele fizice ale fenomenului de emisie acustica, pp. 549-598.