

CURRÍCULUM VITAE

Dr. José Luis López-Bonilla

Instituto Politécnico Nacional

Escuela Superior de Ingeniería Mecánica y Eléctrica, Zacatenco

Edif. 4, 1er. Piso, Col. Lindavista, CP 07738 CDMX, México

jlopezb2000@yahoo.com.mx ; joseluis.lopezbonilla@gmail.com ; jlopezb@ipn.mx

1. Teorema de Kundt-Thompson,
J. López-Bonilla, J. Torres,
Rev. Colomb. Fís. 18, No.2-3 (1986) 103-108
2. Matrix elements for the Morse potential using ladder operators,
M. Berrondo, A. Palma, J. López-Bonilla,
Int. J. Quantum Chem. 31, No.2 (1987) 243-249
3. Hypervirial theorem and parameter differentiation: closed formulation for harmonic oscillator integrals,
J. Morales, J. López-Bonilla, A. Palma,
J. Math. Phys. 28, No.5 (1987) 1032-1035
4. Two-centers integrals for arbitrary potentials: Franck-Condon factors,
J. Morales, L. Sandoval, A. Palma, J. López-Bonilla,
Chem. Phys. Lett. 135, No.1-2 (1987) 149-152
5. Spacetime of class one,
R. Fuentes, J. López-Bonilla, G. Ovando, T. Matos,
Gen. Rel. Grav. 21, No.8 (1989) 777-784
6. Lanczos potential,
G. Ares de Parga, O. Chavoya, J. López-Bonilla,
J. Math. Phys. 30, No.6 (1989) 1294-1295
7. Lanczos potential and Liénard-Wiechert field,
G. Ares de Parga, J. López-Bonilla, G. Ovando, T. Matos,
Rev. Mex. Fís. 35, No.3 (1989) 393-409
8. Espacio-tiempo de clase uno,
D. Ladino, J. López-Bonilla,
Rev. Mex. Fís. 35, No.4 (1989) 623-637
9. Sobre un teorema de Goenner,
D. Ladino, O. Chavoya, J. Fernández, J. López-Bonilla,
Rev. Colomb. Fís. 22 (1990) 1-2

10. Ecuaciones de Brans-Edgar,
R. Becerril, V. Gaftoi, J. López-Bonilla, J. Morales,
Rev. Mex. Fís. 36, No.1 (1990) 46-49
11. Superpotencial de Lanczos,
G. Ares de Parga, O. Chavoya, J. Fernández, J. López-Bonilla, J. Morales,
Rev. Mex. Fís. 36, No.1 (1990) 85-93
12. Potenciales para el campo de Liénard-Wiechert,
G. Ares de Parga, O. Chavoya, J. López-Bonilla, E. Luna, J. Morales,
Rev. Mex. Fís. 36, No.2 (1990) 184-193
13. R_4 inmerso en E_5 ,
D. Ladino, J. López-Bonilla, J. Morales, G. Ovando,
Rev. Mex. Fís. 36, No.3 (1990) 354-362
14. Espíntensor para la métrica de Kerr,
V. Gaftoi, J. López-Bonilla, J. Morales, D. Navarrete, G. Ovando,
Rev. Mex. Fís. 36, No.4 (1990) 498-502
15. Espacio-tiempo inmerso en E_5 ,
J. Fernández, J. López-Bonilla, J. Morales, D. Navarrete,
Rev. Mex. Fís. 36, No.4 (1990) 495-497
16. Sobre unos invariantes de Lanczos,
V. Gaftoi, J. López-Bonilla, D. Navarrete, G. Ovando,
Rev. Mex. Fís. 36, No.4 (1990) 503-509
17. Ladder operators for central potential wave functions from the algebraic representation of orthogonal polynomials,
J. Morales, J. Peña, M. Sánchez, J. López-Bonilla,
Int. J. Quantum Chem. S25 (1991) 155-164
18. Inmersión de espacios Riemannianos,
O. Chavoya, J. Fernández, D. Ladino, J. López-Bonilla,
Rev. Colomb. Fís. 23, No.1 (1991) 15-22
19. Superpotencial de Lanczos para el tensor de Weyl,
G. Ares de Parga, O. Chavoya, J. López-Bonilla, J. Morales,
Rev. Colomb. Fís. 23, No.1 (1991) 29-34
20. Espíntensor para espacio-tiempos vacíos tipo D,
V. Gaftoi, J. López-Bonilla, J. Morales, D. Navarrete, G. Ovando,
Rev. Mex. Fís. 37, No.4 (1991) 638-647

21. Algebraic approach to matrix elements: Recurrence relations and closed formulae for hydrogenlike wave functions,
J. Morales, J. Peña, J. López-Bonilla,
Phys. Rev. A 45, No.7 (1992) 4259-4266
22. Alternative approach to factorization method,
J. Morales, G. Arreaga, J. Peña, J. López-Bonilla,
Int. J. Quantum Chem. S 26 (1992) 171-179
23. Lanczos spintensor for empty type D spacetimes,
J. López-Bonilla, J. Morales, D. Navarrete, M. Rosales,
Class. Quantum Grav. 10, No.10 (1993) 2153-2156
24. Superpotential for the Liénard-Wiechert field,
N. Aquino, O. Chavoya, J. López-Bonilla, D. Navarrete,
Nuovo Cim. B 108, No.10 (1993) 1081-1085
25. The Lanczos potential for the Robinson-Trautman solutions,
V. Gaftoi, J. López-Bonilla, G. Ovando, M. Rosales,
J. Moscow Phys. Soc. 3, No.1 (1993) 19-21
26. Perturbation theory for the double-well potential,
N. Aquino, J. López-Bonilla, M. Rosales,
Rev. Mex. Fís. 40, No.6 (1994) 946-953
27. An identity for R_n embedded into E_{n+1} ,
G. González, J. López-Bonilla, M. Rosales,
Pramana J. Phys. 42, No.2 (1994) 85-88
28. The Maxwell tensor for the Liénard-Wiechert field as an exact divergence,
J. López-Bonilla, J. Morales, M. Rosales,
Pramana J. Phys. 42, No.2 (1994) 89-95
29. The Lorentz-Dirac equation in curved spaces,
J. López-Bonilla, J. Morales, M. Rosales,
Pramana J. Phys. 43, No.4 (1994) 273-278
30. The Lorentz-Dirac equation in Minkowski space,
V. Gaftoi, J. López-Bonilla, J. Morales, M. Rosales,
J. Math Phys. 3, No.7 (1994) 3482-3489
31. A theorem on spacetimes of class one,
J. López-Bonilla, J. Morales, M. Rosales,
Braz. J. Phys. 24, No.2 (1994) 522-525

32. Improvement to the hypervirial theorem and Kramer's rule for the calculation of central potential matrix elements,
J. Morales, J. Peña, J. López-Bonilla,
J. Mol. Struct. (TheoChem) 330 (1995) 63-67
33. Hypervirial theorem and matrix elements for the Coulomb potential,
J. López-Bonilla, J. Morales, M. Rosales,
Int. J. Quantum Chem. 53, No.1 (1995) 3-7
34. Improved recursion formulas for the calculation of two-center central potential integrals,
J. Morales, V. Gaftoi, J. López-Bonilla, J. Peña,
Int. J. Quantum Chem. S29 (1995) 339-347
35. Embedding of the Riemann's space,
J. López-Bonilla, J. Rivera, H. Yee,
Braz. J. Phys. 25, No.1 (1995) 80-81
36. Conformal tensor and Petrov classification for the bounded part of the Liénard-Wiechert field,
N. Aquino, J. López-Bonilla, H. Núñez, A. Salas,
J. Phys. A: Math. Gen. 28, No.14 (1995) L375-L379
37. Generalized hypervirial and recurrence relation for hydrogenics matrix elements,
J. López-Bonilla, H. Núñez, A. Salas,
J. Phys. B: At. Mol. Opt. Phys. 28, No.17 (1995) L525-L529
38. Lorentz-Dirac equation without mass renormalization,
J. López-Bonilla, H. Núñez, A. Salas,
J. Moscow Phys. Soc. 5 (1995) 183-186
39. The inversion potential for NH₃ and its isotopic species,
N. Aquino, J. López-Bonilla, A. Palma, M. Rosales,
Pramana J. Phys. 45, No.1 (1995) 75-80
40. An identity for spacetimes embedded into E₅,
J. López-Bonilla, H. Núñez,
Pramana J. Phys. 46, No.3 (1996) 219-221
41. Lanczos spintensor, null tetrads and conformal transformations,
V. Gaftoi, J. López-Bonilla, J. Morales, G. Ovando, J. Peña,
J. Moscow Phys. Soc. 6 (1996) 267-278
42. Properties of null congruences in spacetimes of Petrov type III embedded into E₅,
J. López-Bonilla, H. Núñez, J. Rivera, A. Salas,
Acta Phys. Slovaca 46, No.1 (1996) 87-90

43. Asymptotic behavior of the gravitational field,
V. Gaftoi, J. López-Bonilla, G. Ovando, J. Rivera,
Aligarh Bull. Math. 16 (1995-96) 9-33
44. Oscillators in one and two dimensions and ladder operators for the Morse and the
Coulomb problems,
J. López-Bonilla, D. Navarrete, H. Núñez, A. Salas,
Int. J. Quantum Chem. 62, No.2 (1997) 177-183
45. Intrinsic geometry of curves and the Bonnor's equation,
J. López-Bonilla, G. Ovando, J. Rivera,
Proc. Indian Acad. Sci. (Math. Sci.) 107, No.1 (1997) 43-55
46. On the radiative part of the Maxwell tensor for a Liénard-Wiechert field,
J. López-Bonilla, H. Núñez, A. Salas,
J. Phys. A: Math. Gen. 30, No.10 (1997) 3663-3669
47. Generators for 4-potential and the Faraday's tensor of the Liénard-Wiechert field,
J. López-Bonilla, G. Ovando, J. Rivera,
Indian J. Pure Appl. Math. 28 (1997) 1355-1360
48. On the physical meaning of the Weert potential,
J. López-Bonilla, G. Ovando, J. Rivera,
Nuovo Cim. B112, No.10 (1997) 1433-1436
49. Eigenvectors of the Faraday tensor for the Liénard-Wiechert field,
V. Gaftoi, J. López-Bonilla, G. Ovando,
Aligarh Bull. Math. 17 (1997-98) 59-62
50. Embedding of the Gödel metric,
J. López-Bonilla, G. Ovando, J. Rivera,
Aligarh Bull. Math. 17 (1997-98) 63-66
51. Asymptotic behavior of the Lanczos spintensor,
V. Gaftoi, J. López-Bonilla, G. Ovando, J. Rivera,
Bull. Allahabad Math. Soc. 12-13 (1997-98) 85-94
52. On a constant of motion for the Stark problem in its classical version,
J. López-Bonilla, J. Morales, G. Ovando,
Eur. J. Phys. 19, No.4 (1998) 401-402
53. The Lanczos invariants as ordinary divergences,
V. Gaftoi, J. López-Bonilla, G. Ovando,
Nuovo Cim. B113, No.12 (1998) 1489-1492

54. Lanczos potential for a rotating black hole,
V. Gaftoi, J. López-Bonilla, G. Ovando,
Nuovo Cim. B113, No.12 (1998) 1493-1496
55. Robinson-Trautman spacetimes and Lanczos spintensor,
J. López-Bonilla, J. Rivera,
Indian J. Math. 40, No.2 (1998) 159-167
56. A double generator for the Maxwell tensor of the Liénard-Wiechert field,
V. Gaftoi, J. López-Bonilla, G. Ovando,
Nuovo Cim. B114, No.4 (1999) 423-426
57. Embedding of the Taub and C metrics,
J. López-Bonilla, G. Ovando, J. Rivera,
Aligarh Bull. Math. 18 (1999) 39-41
58. Brans-Edgar equations for empty type II spacetimes and Geroch-Held-Penrose formalism,
J. López-Bonilla, G. Ovando, J. Rivera,
Aligarh Bull. Math. 18 (1999) 51-55
59. An application of a Lovelock's theorem,
V. Gaftoi, J. López-Bonilla, G. Ovando,
Bull. Allahabad Math. Soc. 14 (1999) 41-44
60. Lorentz-Dirac equation and Frenet-Serret formulae,
J. López-Bonilla, G. Ovando, J. Rivera,
J. Moscow Phys. Soc. 9 (1999) 83-88
61. A generator for the Weert superpotential,
V. Gaftoi, J. López-Bonilla, G. Ovando,
Int. J. Theor. Phys. 38, No.3 (1999) 939-943
62. A potential for the Lanczos spintensor in Kerr geometry,
J. López-Bonilla, J. Morales, G. Ovando,
Gen. Rel. Grav. 31, No.3 (1999) 413-415
63. Lanczos spintensor for the Gödel metric,
J. López-Bonilla, G. Ovando,
Gen. Rel. Grav. 31, No.7 (1999) 1071-1074
64. A potential for the radiative part of the Liénard-Wiechert field,
J. López-Bonilla, G. Ovando,
Gen. Rel. Grav. 31, No.12 (1999) 1931-1934

65. A Lanczos potential for plane gravitational waves,
J. López-Bonilla, G. Ovando, J. Peña,
Found. Phys. Lett. 12, No.4 (1999) 401-405
66. Spacetimes of class two,
J. López-Bonilla, H. Núñez, G. Ovando,
Indian J. Pure Appl. Math. 30, No.12 (1999) 1211- 1221
67. Física Cuántica y Determinismo,
J. López-Bonilla,
Rev. El Buscador, Ed. Yug (México) 10, No.12 (1999) 6-7
68. Lanczos spintensor and Liénard-Wiechert field,
G. Arreaga, J. López-Bonilla, G. Ovando,
Indian J. Pure Appl. Math. 31, No.1 (2000) 85-91
69. A splitting of the Weert superpotential,
J. López-Bonilla, J. Morales, G. Ovando,
Indian J. Phys. B74, No.2 (2000) 167-169
70. Ladder operators for the Coulomb potential,
V. Gaftoi, J. López-Bonilla, J. Peña,
Indian J. Phys. B74, No.2 (2000) 171-172
71. Einstein-Maxwell metrics embedded into E_5 ,
J. López-Bonilla, J. Morales, G. Ovando,
Indian J. Phys. B74, No.5 (2000) 375-378
72. Lanczos potential for the Minkowski space,
J. López-Bonilla, J. Morales, G. Ovando, J. Peña,
Indian J. Phys. B74, No.5 (2000) 393-395
73. Codazzi's equation in four dimensions,
J. López-Bonilla, J. Morales, G. Ovando,
Indian J. Phys. B74, No.5 (2000) 397-398
74. On some invariants of Synge,
J. López-Bonilla, G. Ovando, J. Rivera,
J. Bangladesh Acad. Sci. 24, No.2 (2000) 179-186
75. Matrix elements for the one-dimensional harmonic oscillator,
J. López-Bonilla, G. Ovando,
Bull. Irish Math. Soc. 44 (2000) 61-65
76. Lanczos generator for empty type D spacetimes,
J. López-Bonilla, J. Morales, G. Ovando,
Aligarh Bull. Math. 19 (2000) 1-8

77. Lanczos spintensor in Kerr geometry,
J. H. Caltenco, J. López-Bonilla, J. Morales, G. Ovando,
Aligarh Bull. Math. 19 (2000) 49-54
78. Gaussian curvature as an exact divergence and Gauss-Bonnet's theorem,
V. Gaftoi, J. López-Bonilla, G. Ovando,
Bull. Allahabad Math. Soc. 15 (2000) 31-33
79. Lanczos spintensor,
J. López-Bonilla, J. Morales, G. Ovando, J. Rivera,
Indian J. Theor. Phys. 48, No.4 (2000) 289-298
80. An identity for R_4 embedded into E_5 ,
J. López-Bonilla, J. Morales, G. Ovando,
Indian J. Math. 42, No.3 (2000) 309-312
81. Some properties of Einstein-Maxwell metrics of class one,
J. López-Bonilla, H. Nuñez, A. Salas,
Indian J. Math. 42, No.3 (2000) 339-346
82. Eigenvectors of the Faraday tensor of a point charge in arbitrary motion,
V. Gaftoi, J. López-Bonilla, G. Ovando,
Can. J. Phys. 79, No.1 (2001) 75-80
83. Generalization of the Darboux transform,
J. Morales, J. Peña, J. López-Bonilla,
J. Math. Phys. 42, No.2 (2001) 966-975
84. Spacetime embedded into E_5 ,
J. H. Caltenco, J. López-Bonilla, G. Ovando,
J. Bangladesh Acad. Sci. 25, No.1 (2001) 95-97
85. Lanczos potential for the Kerr metric,
J. H. Caltenco, J. López-Bonilla, J. Morales, G. Ovando,
Chinese J. Phys. 39, No.5 (2001) 397-400
86. Quantum mechanics in phase space: Squeezed states,
A. Zuñiga- Segundo, J. López-Bonilla,
Chinese J. Phys. 39, No.6 (2001) 565-576
87. On two invariant identities,
J. López-Bonilla, G. Ovando, J. Rivera,
Aligarh Bull. Math. 20, No.2 (2001) 89-92

88. On the physical meaning of the Newman-Penrose constants,
V. Gaftoi, J. López-Bonilla, G. Ovando,
Indian J. Theor. Phys. 49, No.3 (2001) 169-171
89. An Einstein-Maxwell field admitting shearing rays,
J. H. Caltenco, J. López-Bonilla, G. Ovando,
Indian J. Theor. Phys. 49, No.4 (2001) 257-261
90. A necessary condition for spacetimes of class one,
J. López-Bonilla, G. Ovando, J. Rivera,
J. Maths. & Math. Sci. 16 (2001) 49-53
91. R_4 embedded into E_5 with energetic rigidity,
J. H. Caltenco, J. López-Bonilla, G. Ovando,
Maths. Today 19, No.2 (2001) 39-41
92. N-máquinas, energía libre y potencial de Lanczos,
J. H. Caltenco, J. López-Bonilla, R. Peña-Rivero,
Conversus-IPN (Mexico), Oct. (2001) 52-55
93. Generators for the Liénard-Wiechert electromagnetic field,
J. H. Caltenco, J. López-Bonilla, J. Morales, G. Ovando,
Chinese J. Phys. 40, No.3 (2002) 214-222
94. Quantitative analysis using squeezed states defined in the coherent-state quantum phase space representation,
A. Zúñiga-Segundo, J. López-Bonilla,
Chinese J. Phys. 40, No.3 (2002) 228-241
95. Electromagnetic Weyl tensor for the Liénard-Wiechert field,
J. H. Caltenco, J. López-Bonilla, R. Peña,
Indian J. Theor. Phys. 50, No.1 (2002) 1-3
96. Lanczos scalars as exact divergences,
J. López-Bonilla, G. Ovando, O. Puente,
Indian J. Theor. Phys. 50, No.3 (2002) 177-180
97. Matrix elements $\langle m | x^k | n \rangle$ for the one-dimensional harmonic oscillator,
J. López-Bonilla, J. Morales, G. Ovando,
Bull. Allahabad Math. Soc. 17 (2002) 45-51
98. On the homogeneous Lorentz transformation,
J. López-Bonilla, J. Morales G. Ovando,
Bull. Allahabad Math. Soc. 17 (2002) 53-58

99. Motion of a charged particle under the action of a plane wave, with and without radiation reaction,
J. López-Bonilla, G. Ovando, J. Rivera,
Indian J. Theor. Phys. 50, No.2 (2002) 89-97
100. Lanczos potential for the Gödel cosmological model,
V. Gaftoi, J. López-Bonilla, G. Ovando,
Czech. J. Phys. 52, No.6 (2002) 811-813
101. Lanczos superpotential for the Kinnersley spacetimes,
J. H. Caltenco, J. López-Bonilla, G. Ovando, J. Rivera,
Apeiron 9, No.1 (2002) 38-42
102. Inactive portion of the radiative part of the Liénard-Wiechert field,
M. Acevedo, J. López-Bonilla, J. Sosa,
Apeiron 9, No.1 (2002) 43-48
103. Surfaces of constant retarded distance and radiation coordinates,
J. H. Caltenco, R. Linares, J. López-Bonilla,
Apeiron 9, No.2 (2002) 62-71
104. Darboux transformations and isospectral potentials in quantum mechanics,
J. López-Bonilla, J. Morales, G. Ovando,
Apeiron 9, No.3 (2002) 20-25
105. Intrinsic geometry of curves and the Lorentz equation,
J. H. Caltenco, R. Linares, J. López-Bonilla,
Czech. J. Phys. 52, No.7 (2002) 839-842
106. Lanczos spintensor and GHP formalism,
J. H. Caltenco, J. López-Bonilla, A. Zúñiga,
Czech. J. Phys. 52, No.8 (2002) 901-909
107. Fourier transform and polynomials of Hermite and Laguerre,
J. H. Caltenco, J. López-Bonilla, R. Peña, A. Xequé-Morales,
Rev. Mat. Apl. (Chile) 23, No.1-2 (2002) 1-5
108. Pascal triangle for the shifted Chebyshev-Lanczos polynomials,
J. H. Caltenco, J. López-Bonilla, M. Martínez, R. Peña,
J. Bangladesh Acad. Sci. 26, No.1 (2002) 115-118
109. The Synge scalar implies that empty non-flat spacetimes are not class one,
J. H. Caltenco, J. López-Bonilla, R. Peña,
Grav. & Cosm. (Russia) 8, No.4 (2002) 318

110. Ecuación de Lorentz,
J. H. Caltenco, J. López-Bonilla, M. Martínez, A. Xequé,
Rev. Cub. Fís. 19, No.1 (2002) 26-29
111. An invariant necessary condition for embeddability of R_4 into E_5 ,
J. López-Bonilla, J. Morales, G. Ovando,
J. Bangladesh Acad. Sci. 26, No.2 (2002) 203-206
112. On a necessary condition for spacetimes of class two,
V. Gaftoi, J. López-Bonilla, G. Ovando,
Bull. Allahabad Math. Soc. 18 (2003) 35-38
113. Quaternionic version of the Maxwell equations,
J. López-Bonilla, G. Ovando, R. Peña,
Indian J. Theor. Phys. 51, No.1 (2003) 85-88
114. Solvable rotating potentials and their generalizations,
J. Morales, J. J. Peña, J. López-Bonilla,
J. Mol. Struct. (TheoChem.) 621, No.1-2 (2003) 19-26
115. Multipath environment indoor analysis by Sommerfeld integrals, geometric optics
and Norton surface-wave,
R. Linares, J. López-Bonilla, M. Acevedo, R. Meneses,
Indian J. Phys. B77, No.3 (2003) 283-289
116. R_3 (R_4) of Einstein embedded into R_4 (R_5) of constant curvature,
J. H. Caltenco, R. Linares, J. López-Bonilla,
News Bull. Calcutta Math. Soc. 26, No.1-3 (2003) 15-16
117. Creation operator for the generalized Hermite polynomials,
J. H. Caltenco, J. López-Bonilla, R. Peña,
Aligarh Bull. Math. 22, No.1 (2003) 1-3
118. A non-trivial relation between the gamma function and the binomial coefficients,
J. H. Caltenco, J. López-Bonilla, R. Peña,
Aligarh Bull. Math. 2, No.2 (2003) 167-169
119. A new energy-momentum pseudotensor in general relativity,
J. H. Caltenco, J. López-Bonilla, G. Ovando,
Indian J. Theor. Phys. 51, No.4 (2003) 273-274
120. The Fueter conditions as Debye expressions,
V. Gaftoi, J. López-Bonilla, G. Ovando,
Indian J. Theor. Phys. 52, No.1 (2004) 1- 4

121. Steganography and watermarking on BMP images,
M. Acevedo, I. Orea, J. López-Bonilla,
Int. J. for Engineering Modelling (Croatia) 17, No.3-4 (2004) 109-114
122. Quaternions, 3-rotations and Lorentz transformations,
J. López-Bonilla, J. Morales, G. Ovando,
Indian J. Theor. Phys. 52, No.2 (2004) 91-96
123. Exact resolution of the Lorentz equation for constant electromagnetic fields,
J. H. Caltenco, J. López-Bonilla, R. Peña,
Indian J. Theor. Phys. 52, No.3 (2004) 179-183
124. R_4 embedded into E_5 with perfect fluid,
J. H. Caltenco, J. López-Bonilla, R. Peña,
Indian J. Theor. Phys. 52, No.4 (2004) 271-276
125. A comment on the Darboux transformation,
J. H. Caltenco, J. López-Bonilla, M. Acevedo,
Acta Acad. Paed. Agriensis, Sectio Mathematicae (Hungary) 31 (2004) 121-123
126. Simplification of Pocklington's equation kernel for arbitrary shaped thin wires,
V. Barrera, J. Sosa, J. López-Bonilla,
Rev. Cub. Fís. 21, No.1 (2004) 21-28
127. A note on the Lanczos potential for the Kerr metric,
M. Acevedo, J. López-Bonilla, S. Vidal,
Grav. & Cosm. (Russia) 10, No.4 (2004) 328
128. Generación de rutas de viaje con base a un sistema de información geográfico,
J. Yaljá Montiel, R. Romero, J. López-Bonilla,
Rev. IEEE América Latina (Brazil) 2, No.3, Sept. (2004) 1-5
129. New technique for evaluating ladder operators in the Coulomb problem,
J. López-Bonilla, H. Núñez, A. Salas,
Indian J. Math. 46, No.2 (2004) 259-266
130. Simplification of Pocklington's integral equation for arbitrary bent thin wires,
J. Sosa, V. Barrera, J. López-Bonilla,
Int. J. Eng. Model. 17, No.3-4 (2004) 69-76
131. Darboux transformations in quantum mechanics,
M. Acevedo, J. López-Bonilla, J. Sosa,
Rev. Bull. Calcutta Math. Soc. 13, No.1-2 (2005) 73-76
132. Wavelets and discrete cosine transform for hidden information into images,
M. Acevedo, I. Orea, J. López-Bonilla,
Sampl. Theory Signal Image Process. (USA) 4, No.2 (2005) 141-150

133. Integral relationship between Hermite and Laguerre polynomials: Its application in quantum mechanics,
J. López-Bonilla, A. Lucas, S. Vidal,
Proc. Pakistan Acad. Sci. 42, No.1 (2005) 63-65
134. Método robusto de marca de agua para audio con transformada Haar,
M. Acevedo, R. Linares, J. López-Bonilla,
Rev. Iberoamericana de Comp. y Sist. (CIC-IPN) (Mexico) 8, No.3 (2005) 218-230
135. Algebraic classification of the gravitational field,
M. Acevedo, J. López-Bonilla,
Gen. Rel. Grav. 37, No.3 (2005) 627-628
136. Wavelet transform for watermarks in digital images,
M. Acevedo, I. Orea, J. López-Bonilla,
Proc. Pakistan Acad. Sci. 42, No.2 (2005) 141-149
137. La ecuación generalizada de Pocklington para antenas de alambre de forma arbitraria,
J. Sosa, J. López-Bonilla, V. Barrera,
Científica (The Mexican Journal of Electromechanical Engineering) ESIME-IPN 9, No.2 (2005) 83-86
138. Exactly solvable combined potentials and their isospectral partners from SUSY,
J. J. Peña, M. A. Romero, J. Morales, J. López-Bonilla,
Int. J. Quantum Chem. 105, No.6 (2005) 731-739
139. Matrix elements for the Morse potential,
M. Enciso, J. López-Bonilla, S. Vidal,
Proc. Pakistan Acad. Sci. 42, No.3 (2005) 173-176
140. Some applications of a Lovelock's theorem,
M. Acevedo, J. López-Bonilla, S. Vidal,
Proc. Pakistan Acad. Sci. 42, No.4 (2005) 249-252
141. A necessary algebraic condition for R_4 embedded into E_5 ,
J. López-Bonilla, J. Sosa, S. Vidal,
Apeiron 12, No.4 (2005) 363-370
142. Quaternions, Maxwell equations and Lorentz transformations,
M. Acevedo, J. López-Bonilla, M. Sánchez,
Apeiron 12, No.4 (2005) 371-384
143. Optimization method based on genetic algorithms,
A. Rangel, R. Linares, J. López-Bonilla,
Apeiron 12, No.4 (2005) 393-408

144. Plebański's comment on the Newman-Penrose constants,
Zafar Ahsan, J. H. Caltenco, J. López-Bonilla,
Galilean Electrodynamics (USA) 16, No.6 (2005) inserted pages
145. Isospectral potentials and Darboux transformations,
M. Acevedo, J. López-Bonilla, J. Sosa,
Rev. Colomb. Fís. 37, No.2 (2005) 393-398
146. Pocklington equation and the method of moments,
V. Barrera, J. López-Bonilla, J. Sosa,
Proc. Pakistan Acad. Sci. 42, No.4 (2005) 243-248
147. Landau-Lifshitz energy-momentum pseudotensor for metrics with spherical symmetry,
J. H. Caltenco, J. López-Bonilla, R. Peña, J. Rivera,
Proc. Pakistan Acad. Sci. 42, No.4 (2005) 261-264
148. On constant timelike vectors,
J. H. Caltenco, J. López-Bonilla, J. Sosa,
Review Bull. Calcutta Math. Soc. 13, No.1-2 (2005) 47-48
149. Matrix elements for the one-dimensional harmonic oscillator and Morse's radial wave equation,
V. Gaftoi, J. López-Bonilla, G. Ovando,
South East Asian J. Math. & Math. Sc. (India) 4, No.1 (2005) 61-64
150. Noise behavior of buried channel SiGe HFETs for high speed circuit's applications,
M. E. Aguilar, M. Rodríguez, J. López-Bonilla, P. Crozat, T. Hackbarth,
J. H. Herzog, F. Aniel,
Proc. 2th Intl. Conf. on Electrical and Electronics Engineering-IEEE,
Cinvestav-IPN, Sept. 7-9, 2005, Mexico city
151. Matrix elements $\langle n_2 l_2 m_2 | r^k | n_1 l_1 m_1 \rangle$ for the Coulomb interaction,
M. Bautista, J. López-Bonilla, J. Morales,
Apeiron 13, No.1 (2006) 34-42
152. Cross antenna: An experimental and numerical analysis,
J. Sosa, A. Lucas, J. López-Bonilla,
Apeiron 13, No.2 (2006) 274-287
153. Lanczos invariant as an important element in Riemannian 4-spaces,
J. López-Bonilla, J. Yaljá Montiel, E. Ramírez,
Apeiron 13, No.2 (2006) 196-205

154. Leverrier-Faddeev's algorithm applied to spacetimes of class one,
J. López-Bonilla, J. Morales, G. Ovando, E. Ramírez,
Proc. Pakistan Acad. Sci. 43, No.1 (2006) 47-50
155. Pocklington's equation method versus curved segments technique for the numerical study of circular antennas,
J. Sosa, V. Barrera, J. López-Bonilla,
Apeiron 13, No.2 (2006) 260-273
156. Petrov classification of the conformal tensor,
M. Acevedo, M. Enciso, J. López-Bonilla,
Electronic Journal of Theoretical Physics (EJTP) (United Arab Emirates) 3, No.9 (2006) 79-82
157. Rayleigh process and matrix elements for the one-dimensional harmonic oscillator,
J. H. Caltenco, J. López-Bonilla, J. Morales,
Electron. J. Theor. Phys. (EJTP) 3, No.11 (2006) 29-32
158. Gödel's geometry: Embedding and Lanczos spintensor,
R. García, J. López-Bonilla, S. Vidal,
Electron. J. Theor. Phys. 3, No.12 (2006) 55-58
159. Light beams propagation in a photorefractive environment: Beam-fanning effect and amplification of weak beams,
A. Zúñiga, M. Arvizu-Coyotzi, J. López-Bonilla, B. E. Carvajal,
Apeiron 13, No.3 (2006) 375-390
160. Wavelet and discrete cosine transform for inserted information into BMP images,
M. Acevedo, I. Orea, J. López-Bonilla,
Australian & New Zealand Industrial and Applied Mathematics Journal (The ANZIAM Journal) 48, No.1 (2006) 23-35
161. Radial matrix elements for the hydrogen atom,
M. Enciso, J. López-Bonilla, M. Sánchez,
Electron. J. Theor. Phys. 3, No.13 (2006) 117-120
162. Multiple root finder algorithm for Legendre and Chebyshev polynomials via Newton's method,
V. Barrera, J. López-Bonilla, J. Sosa,
Annales Mathematicae et Informaticae (Hungary) 33 (2006) 3-13
163. Sistema de acceso seguro a recursos de información para redes inalámbricas 802.11,
J. L. Mejía, S. Vidal, J. López-Bonilla,
Científica-ESIME-IPN 10, No.4 (2006) 199-205

164. A potential for conformal and curvature tensors in Gödel spacetime,
J. H. Caltenco, R. Linares, J. López-Bonilla,
South East Asian J. Math. & Math. Sc. 5, No.1 (2006) 77-79
165. Design and implementation of a secure access system to information resources for IEEE802.11 wireless networks,
J. Mejía N., S. Vidal, J. López-Bonilla,
Proc. of Electronics, Robotics & Automotive Mechanics Conf.-CERMA'06, IEEE
26-29 Sept., Cuernavaca-Morelos, Mexico 1 (2006) 58-63
166. Numerical and experimental analysis of a cross antenna,
A. Lucas, J. Sosa, J. López-Bonilla,
Proc. 6th Intl. Caribbean Conf. on Devices, Circuits and Systems, IEEE 26-28
April, Playa del Carmen, Mexico (2006) 207-211
167. Matrix elements for the Coulomb and Morse potentials,
M. Enciso, J. López-Bonilla, I. Toledo,
Rev. Colomb. Fís. 39, No.1 (2007) 252-260
168. Numerical approach to King's analytical study for circular loop antenna,
J. Sosa P., V. Barrera, J. López-Bonilla,
Jour. of Discrete Mathematical Sci. & Cryptography (India) 10, No.1 (2007)83-92
169. Conservation laws for energy and momentum in curved spaces,
J. López-Bonilla, J. Morales, G. Ovando,
J. Zhejiang Univ. Sci. A (JZUS) (China) 8, No.4 (2007) 665-668
170. Debever-Penrose principal directions in terms of null canonical vectors,
R. García, Nizar Hamdan, J. López-Bonilla,
Electron. J. Theor. Phys. 4, No.15 (2007) 101-104
171. A potential for Gödel cosmological model,
Z. Ahsan, V. Barrera, J. López-Bonilla,
Bull. Calcutta Math. Soc. 99, No.4 (2007) 323-332
172. Lanczos potential for the Gödel spacetime,
Z. Ahsan, J. H. Caltenco, J. López-Bonilla,
Ann. Phys. (Leipzig) (Germany) 16, No.4 (2007) 311-313
173. Time evolution of current density for a photorefractive material: oxide of silicon
and bismuth (BSO),
A. Zúñiga, S. Gómez, J. López-Bonilla,
Rev. Colomb. Fís. 39, No.1 (2007) 318-325

174. Estimación de emisiones electromagnéticas de campo lejano a partir de mediciones de campo cercano. Un enfoque a las líneas de energía eléctrica, R. Linares, A. Rangel, J. López-Bonilla, Científica-ESIME-IPN 11, No.2 (2007) 87-94
175. Debye generators in complex variable, J. H. Caltenco, J. López-Bonilla, J. Sosa, Galilean Electrodynamics 18, No.2 (2007) 31 and 36
176. Algebraic classification of Liénard-Wiechert fields, M. Acevedo, J. López-Bonilla, M. Sánchez, Galilean Electrodynamics 18, No.4 (2007) 78
177. Pre-treatment laser light on maize seed vigor, C. Hernández A., A. Carballo C., A. Michtchenko, J. López-Bonilla, International e-Journal of Engineering Mathematics: Theory and Application (IeJEMTA) (Egypt) 1 (2007) 87-94
178. The general Pocklington's equation and the method of moments for numerical modeling of circular and cross antennas, J. Sosa, V. Barrera, J. López-Bonilla, IeJEMTA 1 (2007) 95-109
179. A note on Dirichlet and Fejér kernels, J. López-Bonilla, S. Vidal, J. Yaljá Montiel, Rev. Mate. Teor. Aplic. (Costa Rica) 14, No.1 (2007) 101-104
180. The algebraic Rainich conditions, J. H. Caltenco, J. López-Bonilla, R. Peña, Progress in Physics (USA) 3 (2007) 34-35
181. Obtención de los espectros de absorción del contenido de clorofilas A y B en hojas de plántulas regadas con agua tratada magnéticamente, Claudia Hernández, A. Carballo C., A. Domínguez-Pacheco, A. Cruz-Orea, Efraín Martínez, J. López-Bonilla, Revista Tecnología Química (Chemical Technology Magazine) (Cuba), Ed. Especial (2007) 75-77
182. Predicción de emisiones radiadas de la tecnología BPL, A. Rangel, R. Linares, J. López-Bonilla, Rev. Tecnología Química, Ed. Especial (2007) 168-176
183. Estudio de la propagación electromagnética en medios guiados no homogéneos mediante el método de las diferencias finitas en el dominio del tiempo, R. García, M. Enciso, J. Sosa, J. López-Bonilla, Rev. Tecnología Química, Ed. Especial (2007) 177-183

184. Science and Spirituality – Heisenberg’s mystical experience,
Carina Aguilar-Chávez, Blanca E. Carvajal, J. López-Bonilla,
The Heart Beat Newsletter (Montana-USA) Part 1: June 2007,
page 10; Part 2 : Sept. 2007, pages 11-12
185. Derivation of Einstein’s equation, $E = mc^2$, from the classical force laws,
N. Hamdan, A. K. Hariri, J. López-Bonilla,
Apeiron 14, No.4 (2007) 435-453
186. A secure access system to information for IEEE 802.11 wireless networks,
J. Mejía, S. Vidal, J. López-Bonilla,
Boletín de la Sociedad Cubana de Matemática y Computación 5, No.1 (2007) 23-32
187. A new class of Chebyshev-like polynomials,
M. Galaz, R. García, J. López-Bonilla,
Bol. Soc. Cub. Mat. Comp. 5, No.1 (2007) 33-39
188. Estimación de distancias con un láser de línea y una cámara,
J. Yaljá Montiel, Raquel Hernández-Gómez, J. López-Bonilla,
Científica-IPN 11, No.3 (2007) 129-134
189. Continuity equations in Riemannian spaces,
J. López-Bonilla, J. Morales, G. Ovando,
“Current Topics in Quantum Field Theory Research”, ISBN: 1-60021-283-2
Editor: O. Kovras, Nova Science Pub. NY (2007) Chap. 8, p. 269-274
190. Singular value decomposition and Lanczos potential,
V. Gaftoi, J. López-Bonilla, G. Ovando,
“Current Topics in Quantum Field Theory Research”,
Ed. O. Kovras, Nova Sci. Pub. NY (2007) Chap.10, p. 513-516
191. Energía libre,
Blanca E. Carvajal, J. López-Bonilla,
Rev. El Buscador, Ed. Yug (Mexico) 18, No.8 (2007) 20-24
192. Throughput analyzer for wireless LAN’s,
A. Gordillo-Yllan, S.Vidal, C. del Angel-Cuéllar, J. López-Bonilla,
Bol. Soc. Cub. Mat. Comp. 5, No.1 (2007) 41-52
193. Deduction of Maxwell field equations from Lorentz force law without using the STR,
A. K. Hariri, N. Hamdan, J. López-Bonilla,
Hadronic Journal (USA) 30, No.5 (2007) 513-532
194. The remainder term in Fourier series and its relationship with the Basel problem,
V. Barrera, A. Lucas, J. López-Bonilla,
Annales Mathematicae et Informaticae 34 (2007) 17-28

195. On the Lorentz matrix in terms of Infeld-van der Waerden symbols,
B. E. Carvajal, M. Galaz, J. López-Bonilla,
Scientia Magna 3, No.3 (2007) 56-57
196. On the fifth-kind Chebyshev polynomials,
C. Aguilar, B. E. Carvajal, J. López-Bonilla,
Scientia Magna 3, No.3 (2007) 82-84
197. Coding of information into video file,
B. E. Carvajal, M. Acevedo, J. López-Bonilla,
Int. J. Eng. Model. 20, No.1-4 (2007) 9-15
198. Recognition of speaking in a phone channel with a neural network backpropagation,
L. Cruz, M. Acevedo, J. López-Bonilla,
Int. J. Eng. Model. 20, No.1-4 (2007) 17-22
199. Characterization of a radiator of eight arms with circular polarization,
A. Lucas, J. Sosa, J. López-Bonilla, C. Sosa,
Int. J. Eng. Model. 20, No.1-4 (2007) 55-59
200. On the characteristic equation of Chebyshev matrices,
Amelia Bucur, S. Alvarez, J. López-Bonilla,
General Mathematics (Romania) 15, No.4 (2007) 17-28
201. Comportamiento asintótico de la gravedad,
L. Cruz, R. González, J. López-Bonilla, O. Vargas,
The General Science Journal, 28 June 2007,
202. Tétradas de Newman-Penrose en relatividad general,
C. Aguilar, R. García, J. López-Bonilla, J. Vargas,
The General Science Journal, 22 Aug. 2007
203. Equidistant and non-equidistant sampling for method of moments applied to Pocklington equation,
V. Barrera, J. López-Bonilla, J. Sosa,
18th IEEE Annual International Symposium on Personal, Indoor and Mobile Radio Communications (PIMRC 07), 3-7 Sept. 2007, Athens, Greece
204. Characteristic polynomial of A and Faddeev's method for A^{-1} ,
J. H. Caltenco, J. López-Bonilla, R. Peña,
Educatia Matematica (Romania) 3, No.1-2 (2007) 107-112
205. Slow-varying-type series and Gibbs oscillations,
V. Barrera, A. Lucas, J. López-Bonilla,
Bull. Pure Appl. Math. (India) 2, No.1 (2008) 1-15

206. Fractional derivative of Riemann-Liouville via Laguerre polynomials,
M. Acevedo, J. López-Bonilla, M. Sánchez,
General Mathematics 16, No.1 (2008) 19-23
207. Group theory, three-vectors and Maxwell-Lorentz matrix,
J. David Pendleton, J. López-Bonilla, C. Sosa,
The Icfai Univ. J. Phys. (India) 1, No.1 (2008) 34-54
208. Stachel theorem applied to Liénard-Wiechert field,
F. Felipe-Durán, J. López-Bonilla, I. Toledo,
Galilean Electrodynamics 19, No.5 (2008) 82
209. Liénard-Wiechert electromagnetic field,
R. García, R. Linares, J. López-Bonilla, A. Rangel,
Electron. J. Theor. Phys. 5, No.18 (2008) 1-20
210. An approach to ladder operators for the two-dimensional harmonic oscillator,
L. Cruz, J. López-Bonilla,
Rev. Mate. Teor. Aplic. 15, No.1 (2008) 97-99
211. On the relativistic concept of the Dirac's electron spin,
N. Hamdan, A. Chamaa, J. López-Bonilla,
Lat. Am. J. Phys. Educ. (Mexico) 2, No.1 (2008) 65-70
212. Rotations in three and four dimensions via 2x2 complex matrices and quaternions
Ingrí Guerrero-Moreno, J. López-Bonilla, L. Rosales,
The Icfai Univ. J. Phys. 1, No.2 (2008) 7-13
213. Multipath electromagnetic environment, the two rays model in the RFID systems,
R. Meneses, R. Linares, J. López-Bonilla,
The Icfai Univ. J. Phys. 1, No.2 (2008) 56-66
214. Energy conservation in the concealment of information in a video by means of
discrete wavelet transform,
Blanca E. Carvajal, M. Acevedo, J. López-Bonilla,
IeJEMTA 4 (2008) 27-31
215. Non-equidistant segmentation in the method of moments: Agreement of the electric
field boundary condition on the wire's surface,
V. Barrera, J. Sosa, J. López-Bonilla,
IeJEMTA 4 (2008) 32-46
216. Ecuaciones de continuidad en un espacio de Riemann,
J. López-Bonilla, R. Rivera-Camacho, E. Segundo-León,
The General Science Journal, 21 Oct. 2008

217. On the Faraday's complex vector,
Nizar Hamdan, Ingri Guerrero, J. López-Bonilla, L. Rosales,
The Icfai Univ. J. Phys. 1, No.3 (2008) 52-56
218. Choosing by mapping of models for propagation losses and interference
parameters for radio networks design,
Miriam Cuevas, R. Meneses, R. Linares, J. López-Bonilla,
The Icfai Univ. J. Phys. 1, No.4 (2008) 7-18
219. Reconocimiento de hablantes en un canal telefónico con una red neuronal
backpropagation,
L. Cruz, M. Acevedo, J. López-Bonilla,
Bol. Soc. Cub. Mat. Comp. 6, No.1 (2008) 51-60
220. Riemann zeta function as the energy of a discrete-time signal,
V. Barrera, A. Lucas, J. López-Bonilla,
Bol. Soc. Cub. Mat. Comp. 6, No.1 (2008) 61-73
221. On the measurement of the conducted emissions in-home access in PLC
communication technologies,
J. A. Garduño, J. H. Caltenco, J. López-Bonilla,
2th Annual IEEE Student Paper Conference (AISPC 08), 15-18 Feb. 2008,
Aalborg, Denmark
222. Lanczos potential and Tewari's space vortex theory,
Blanca E. Carvajal, J. López-Bonilla, G. Ovando,
Sepp Hasslberger: Physics-Economy-New Energy, 14 July 2008,
http://blog.hasslberger.com/2008/07/tewari_discovering_universal_r.html
223. On the associated polynomials of Chebyshev,
I. Guerrero, J. López-Bonilla, L. Rosales,
Bol. Soc. Cub. Mat. Comp. 6, No.2 (2008) 93-97
224. Técnica de cifrado en un video high motion mediante la transformada wavelet
discreta,
Blanca Carvajal, M. Acevedo, J. López-Bonilla,
Bol. Soc. Cub. Mat. Comp. 6, No.2 (2008) 99-113
225. Factor de escalamiento en algoritmos esteganográficos para imágenes RGB,
Blanca E. Carvajal, F. Gallegos-Funes, J. López-Bonilla,
Bol. Soc. Cub. Mat. Comp. 6, No.2 (2008) 115-117
226. A note on the finite Taylor series applied in Laguerre polynomials,
J. López-Bonilla, A. Lucas,
Educatia Matematica 4, No.1 (2008) 53-55

227. Realización e implementación de un software en Visual C# para analizar el throughput en una WLAN,
A. Gordillo-Yllán, C. del Angel-Cuéllar, S. Vidal, J. López-Bonilla,
Científica 12, No.4 (2008) 203-207
228. A constructive method to evaluate the characteristic impedance in a rectangular transmission line,
Z. Brito, J. H. Caltenco, R. Linares, J. López-Bonilla,
Iranian J. of Electrical and Computer Engineering (IJECE) 7, No.1 (2008) 79-82
229. Steganography technique to hide a video into another one via discrete wavelet transform,
B. E. Carvajal, M. Acevedo, J. López-Bonilla,
Journal of Vectorial Relativity (Venezuela) 4, No.2 (2009) 29-36
230. Algebraic classification of Faraday spinor,
J. López-Bonilla, A. Rangel, A. Zaldívar-Sandoval,
J. Vect. Rel. 4, No.2 (2009) 37-44
231. Lanczos spintensor for several spacetimes,
I. Guerrero, J. López-Bonilla, A. Rangel,
The Icfai Univ. J. Phys. 2, No.1 (2009) 7-17
232. On the Lorentz transformations,
M. Hernández-González, J. López-Bonilla, A. Rangel,
The Icfai Univ. J. Phys. 2, No.1 (2009) 60-62
233. Constrained economic dispatch using genetic algorithms,
Stephen Mungai-Karinki, J. Robles-García, J. López-Bonilla,
J. Vect. Rel. 4, No.2 (2009) 45-53
234. Pocklington equation via circuit theory,
V. Barrera, J. Sosa, J. López-Bonilla,
Apeiron 16, No.1 (2009) 45-69
235. Wave equation in Gödel model,
Zafar Ahsan, J. López-Bonilla, A. Rangel,
J. Vect. Rel. 4, No.2 (2009) 80-81
236. R_4 de clase uno,
J. López-Bonilla, R. Pantaleón-Joaquín, C. Ríos-Ríos, L. Rosales,
The General Science Journal, 4 March 2009
237. Matrix and quaternionic approaches to Lorentz transformation,
B. E. Carvajal, I. Guerrero, J. López-Bonilla,
J. Vect. Rel. 4, No.2 (2009) 82-85

238. An explicit embedding of Schwarzschild black hole,
Lizbeth Islas-Gamboa, J. López-Bonilla, Laura Montes-Peralta,
J. Vect. Rel. 4, No.2 (2009) 86-87
239. Dirac matrices via quaternions,
J. López-Bonilla, L. Rosales, A. Zúñiga,
J. Sci. Res. (India) 53 (2009) 253-255
240. Laguerre polynomials: Their Laplace transform via equidistant interpolation,
Amelia Bucur, Blanca E. Carvajal, J. López-Bonilla,
J. Sci. Res. 53 (2009) 257-258
241. Embedding of R_3 into E_4 ,
J. López-Bonilla, A. Rangel,
J. Vect. Rel. 4, No.2 (2009) 88-89
242. The 2th order linear differential equation and its corresponding Schrödinger equation,
J. López-Bonilla, J. Morales, S. Vidal,
J. Vect. Rel. 4, No.2 (2009) 90-92
243. Wavelet order statistics filters for image denoising,
F. Gallegos, J. Martínez-Valdés, R. Cruz-Santiago, J. López-Bonilla,
Journal of Scientific Research (Bangladesh) 1, No.2 (2009) 248-257
244. Fejér and Dirichlet kernels: Their associated polynomials,
M. Galaz, R. García, J. López-Bonilla,
Journal of Scientific Research 1, No.2 (2009) 281-284
245. Buchdahl-Goenner-Kohler identity in (L_4, g) ,
B. E. Carvajal, J. López-Bonilla, Patricia Zúñiga,
J. Vect. Rel. 4, No.2 (2009) 93-95
246. Topology observability for state estimation using a neural network,
J. Robles, S.B. Barragán-Gómez, J. López-Bonilla,
J. Vect. Rel. 4, No.3 (2009) 1-11
247. Electromagnetic superpotentials for the Liénard-Wiechert field,
V. Barrera, J. López-Bonilla, J. Sosa,
Comm. in Phys. (Viet Nam) 19, No.4 (2009) 229-234
248. Faraday tensor: its algebraic structure,
J. López-Bonilla, R. Meneses, Melih Turgut,
J. Vect. Rel. 4, No.3 (2009) 23-32

249. Energía del vacío,
F. Hernández-Betancourt, J. López-Bonilla,
Rev. El Buscador, Ed. Yug 20, No.3 (2009) 6-9
250. Alternating magnetic field irradiation effects on three genotype maize seed field performance,
C. Hernández-Aguilar, A. Domínguez-Pacheco, A. Carballo-Carballo,
A. Cruz-Orea, Rumen Ivanov T., J. López-Bonilla, J. P. Valcarel M.,
Acta Agrophysica (Poland) 14, No.1 (2009) 7-17
251. Access control secure to restricted information resources for IEEE 802.11 wireless networks,
J. L. Mejía, S. Vidal, J. López-Bonilla,
Kathmandu University Journal of Science, Engineering and Technology (KUSET) (Nepal) 5, No.2 (2009) 17-29
252. Scaling factor for RGB images to steganography applications,
B. E. Carvajal, F. Gallegos, J. López-Bonilla,
J. Vect. Rel. 4, No.3 (2009) 55-65
253. Capacitive model analysis of the electric equivalent circuit of a coaxial transmission-line with discontinuity,
J. H. Caltenco, E. Hernández, R. Linares, R. Peña, J. López-Bonilla,
J. Vect. Rel. 4, No.3 (2009) 91-109
254. The Darboux transform applied to Schrödinger equations with a position-dependent mass,
G. Ovando, J. Morales, J.J. Peña, G. Ares de Parga, J. López-Bonilla,
The Open Applied Mathematics Journal (USA) 3 (2009) 14-28
255. A note about the electromagnetic environment in the RFID applied to vehicular control,
R. Meneses, Laura Montes, C. Pérez, J. López-Bonilla,
Revista Internacional de Sistemas Computacionales y Electrónicos (RISCE)-
ESCOM-IPN (México) No.1 (2009) 46-56
256. On the Daubechies polynomials,
B. E. Carvajal, F. Gallegos, J. López-Bonilla,
J. Vect. Rel. 4, No.3 (2009) 129-132
257. Manejo de matrices de tamaño arbitrario en lenguaje C,
F. Felipe-Durán, J. López-Bonilla,
RISCE No.2 (2009) 43-49

258. Procedimiento para estimar la diversidad espacial en ambientes electromagnéticos de multitrayectorias,
J. H. Caltenco, R. Linares, J. López-Bonilla, C. Sosa,
Ingeniare. Revista chilena de ingeniería 17, No.2 (2009) 140-150
259. On the Fueter-Lanczos conditions,
B. E. Carvajal, F. Gallegos, J. López-Bonilla,
J. Vect. Rel. 4, No.3 (2009) 137-141
260. Electromagnetic couplings in unshielded twisted pairs,
J. H. Caltenco, R. Linares, J. López-Bonilla, E. Cisneros, R. Peña R.
Apeiron 16, No.3 (2009) 439-454
261. On Frenet-Serret invariants of non-null curves in Lorentzian space L_5 ,
Melih Turgut, Süha Yılmaz, J. López-Bonilla,
Int. J. Comput. Math. Sci. 3, No.3 (2009) 98-100
262. Microscopic image classification of Pap Smear by use the Rank M-type radial basis functions (RMRBF) neural network,
Margarita E. Gómez-Mayorga, F. Gallegos, R. Cruz, J. López B.
J. Vect. Rel. 4, No.4 (2009) 1-5
263. Pruebas de un algoritmo de compresión fractal basado en Quadtree para imagen,
J. Yaljí Montiel, R. Romero, J. López-Bonilla,
Rev. CISCE-ESCOM-IPN (México) Año 3, No.1, Sept. 2009, 49-56
264. Robust least median state estimation via norms,
J. Robles, S. Baruch Barragán, J. López-Bonilla,
J. Vect. Rel. 4, No.4 (2009) 88-98
265. Energy adjustment RGB images in steganography applications,
B. E. Carvajal, F. Gallegos, J. López-Bonilla,
52nd. IEEE International Midwest Symposium on Circuits and Systems, 2009,
MWSCAS'09, 758-761
266. Husimi's wave functions and quantum interference in phase space,
A. Zúñiga, J. López-Bonilla,
Chinese J. Phys. (Taiwan) 47, No.5 (2009) 633-644
267. Rank M-type radial basis function (RMRBF) neural network for Pap Smear microscopic image classification,
M. Gómez-Mayorga, F. Gallegos, R. Cruz, J. López-Bonilla,
Apeiron 16, No.4 (2009) 542-554
268. Dirac supermatrix: Its shifted eigenvalue problem,
Ingrí Guerrero, J. López-Bonilla, L. Rosales,
J. Vect. Rel. 4, No.4 (2009) 170-173

269. Method of moments and non-uniform sampling via Legendre polynomials roots,
V. Barrera, J. Sosa, J. López-Bonilla,
Bol. Soc. Cub. Mat. Comp. 7, No.1 (2009) 19-33
270. Clasificación Petrov del tensor de Weyl,
B. E. Carvajal, J. López-Bonilla, J. Robles,
Bol. Soc. Cub. Mat. Comp. 7, No.1 (2009) 59-65
271. Steganography in RGB images using the algorithm with medium weight central
iterative wavelet domain,
B. E. Carvajal, F. Gallegos, J. López-Bonilla,
Workshop on Computer Vision and Pattern Recognition – WCVPR, 2009
Research in Computing Science (IPN-Mexico) (2009)
272. Hélices tipo-tiempo en relatividad especial,
J. H. Caltenco, J. López-Bonilla, R. Peña,
Bol. Soc. Cub. Mat. Comp. 7, No.2 (2009) 121-128
273. A note on Lanczos generalized derivative,
A. Bucur, A. Iturri, J. López-Bonilla,
Notas de Matemáticas 6 (1), No.288 (2010) 23-29
274. Lanczos generator in Gödel geometry,
Z. Ahsan, J.H. Caltenco, R. Linares, J. López-Bonilla,
Comm. in Phys. 20, No.1 (2010) 9-14
275. Relationships between Riemannian invariants,
Amelia Bucur, R. García, J. López-Bonilla,
Int. J. Appl. Math. Stat. (India) 16, No. M10 (2010) 59-61
276. R_n of Einstein embedded into R_{n+1} of constant curvature,
L. Cruz, J. López-Bonilla, A. Rangel,
J. Vect. Rel. 5, No.1 (2010) 125-128
277. Time-like involutes of a space-like helix in Minkowski space-time,
Melih Turgut, Ahmad T. Ali, J. López-Bonilla,
Apeiron 17, No.1 (2010) 28-41
278. Tracking facial expressions by using stereoscopy video and backpropagation neural
network,
R. Romero, F. Gallegos, A.G. Juárez-Gracia, J. López-Bonilla,
Kathmandu Univ. J. of Science, Engineering and Technology (KUSET) (Nepal)
6, No.1 (2010) 11-24

279. Newman-Penrose components of Lanczos spintensor as linear combination of spin coefficients,
S. Barragán, J. López-Bonilla, R. Romero,
J. Vect. Rel. 5, No.1 (2010) 133-135
280. Analizador de throughput para redes de área local,
A. Gordillo, S. Vidal, C. del Ángel, J. López-Bonilla,
RISCE No.6 (2010) 27-34
281. A study of matrix exponential function,
C. Aguilar, B. Carvajal, J. López-Bonilla,
Siauliai Mathematical Seminar (Lithuania) 5 (13) (2010) 5-17
282. 2th order linear differential operator in its exact form,
J. López-Bonilla, A. Zaldívar-Sandoval, J. Yaljá Montiel,
J. Vect. Rel. 5, No.1 (2010) 139-141
283. Factor integrante para una arbitraria ecuación diferencial lineal de 2do. orden,
J. López-Bonilla, A. Zaldívar, J. Yaljá Montiel,
Bol. Soc. Cub. Mat. Comp. 8, No.1 (2010) 35-39
284. Relationship between wave functions of two-dimensional hydrogen atom in parabolic and polar coordinates,
J. López-Bonilla, R. Peña R., Bhadra Man Tuladhar,
J. Sci. Res. (India) 54 (2010) 219-222
285. Petrov's classification,
J. López-Bonilla,
Proc. of "Petrov 2010 Anniversary Symp. on General Relativity and Gravitation",
Kazan State University, Kazan, Russia, 1-6 Nov. 2010
286. Some applications of Gauss hypergeometric function,
M. Galaz, J. López-Bonilla, A. Rangel,
J. Vect. Rel. 5, No.2 (2010) 82-85
287. Performance characterization parameters on voice and data transmission in user equipments to cellular networks,
Montserrat Jiménez-Licea, S. Vidal, J. López-Bonilla,
RISCE No.11 (2010) 6-14
288. On the Lanczos potential for Petrov type N spacetimes,
Zafar Ahsan, Mohd Bilal, J. López-Bonilla,
J. Vect. Rel. 5, No.3 (2010) 35-41
289. Derivada generalizada de Lanczos en una discontinuidad finita,
J. López-Bonilla, A. Rangel, A. Zúñiga,
Ini. Inv. (Univ. of Jaén, Spain) No.5: a4 (2010) 1-5

290. Robust steganographic method based on center weighted median algorithm,
B. E. Carvajal, F. Gallegos, V. Ponomaryov, J. López-Bonilla,
Image Processing: Algorithms and Systems IPAS-VIII, San José, CA, Jan 2010,
Proc. SPIE vol. 7532, 75320Y (2010); doi: 10.1117/12.839914,
Eds. Jaakko Astola & Karen O. Egiazarian,
291. Método simple de ocultamiento de datos para imágenes RGB basado en estimación de la varianza,
B. E. Carvajal, F. Gallegos, A. Rosales, J. López-Bonilla,
Congreso Mexicano de Inteligencia Artificial (COMIA 2010), 12-15 Oct. 2010,
Fac. Ciencias Básicas, Ingeniería y Tecnología, Univ. Autónoma de Tlaxcala,
ISBN: 978-607-95367-2-5; pp. 30-39
292. Generador de Lanczos,
S. Baruch Barragán, J. López-Bonilla, J. Robles,
Latin Am. J. Phys. Educ. 4, No.3 (2010) 621-625
293. Una identidad para los números de Bernoulli,
J. López-Bonilla, E. Vázquez,
Laberintos e Infinitos (ITAM-México) No.23 (2010) 17-18
294. On a gravitational energy-momentum pseudotensor,
J. H. Caltenco, J. López-Bonilla, G. Ovando,
J. Vect. Rel. 5, No.4 (2010) L8-L9
295. Powers x^n in terms of modified Chebyshev polynomials,
S. B. Barragán, J. López-Bonilla, Bhadra Man Tuladhar,
KUSET 6, No.2 (2010) 111-114
296. Ecuaciones de Maxwell en el espacio recíproco,
M. Galaz, J. López-Bonilla, I. Miranda-Sánchez,
Bol. Soc. Cub. Mat. Comp. 8, No.2 (2010) 135-139
297. Tétradas reales y transformaciones de Lorentz,
R. Linares, J. López-Bonilla, J. M. Quino,
Bol. Soc. Cub. Mat. Comp. 8, No.2 (2010) 141-153
298. Morse's radial wave function,
J. H. Caltenco, J. López-Bonilla, R. Peña,
Lithuanian Journal of Physics 50, No.4 (2010) 403-404
299. Experimental analysis of the CPICH and Ec in a WCDMA network,
I. Zamudio-Castro, S. Vidal, J. López-Bonilla,
Int. J. Pure Appl. Sci. Technol. (IJPAST) (India) 1, No.1 (2010) 25-32

300. Una propuesta didáctica para la caracterización de dispositivos y redes eléctricas de radiofrecuencia en la banda de 100 KHz a 500 MHz,
H. E. González J., R. Linares, J. López-Bonilla,
Ingeniare. Revista chilena de ingeniería 18, No.3 (2010) 295-301
301. Mannheim curves: Their characterization via Heisenberg group,
Essin Turhan, Talat Körpınar, J. López-Bonilla,
Proc. "Mathematical Sciences for Advancement of Science and Technology"
(MSAST), 19-21 Dec. 2010, IMBIC, Calcutta, India, pp. 5-12
302. Lanczos derivative via a quadrature method,
J. López-Bonilla, J. Rivera, S. Vidal,
IJPAST 1, No.2 (2010) 100-103
303. Geometrical inequalities unconventional demonstrated,
Amelia Bucur, J. López-Bonilla,
J. of Analysis and Computation (India) 6, No.1 (2010) 13-23
304. On some series of functions,
A. Bucur, J. López-Bonilla,
Notas de Matemática 6, No.2 (2010) 58-62
305. Experimental analysis for BLER /data transmission parameters in mobile terminals for EDGE and WCDMA networks,
Montserrat Jiménez-Licea, S. Vidal, J. López-Bonilla,
Int. J. Open Problems Compt. Math. 3, No.5 (2010) 78-87
306. A simple method for hiding data in RGB colour images based on variance field estimation,
B. E. Carvajal, F. Gallegos, A. Rosales, J. López-Bonilla,
Int. J. Tech. Appl. Sci. 1, No.1 (2010) 11-18
307. Lanczos derivative for a discontinuous function,
A. Bucur, A. Iturri-Hinojosa, J. López-Bonilla,
Aligarh Bull. Maths. 29, No.1 (2010) 35-39
308. Gaussian quadrature via Hermite and Lagrange interpolations,
J. H. Caltenco, J. López-Bonilla, J. Rivera,
J. Sci. Res. (India) 55 (2011) 177-180
309. Experimental performance analysis for 2G/3G cellular networks based on mobile terminals,
Montserrat Jiménez-Licea, S. Vidal, J. López-Bonilla,
Journal of the Institute of Engineering (Nepal) 8, No.1-2 (2011) 25-38

310. Leverrier-Takeno coefficients for the characteristic polynomial of a matrix,
I. Guerrero, J. López-Bonilla, J. Rivera,
J. Inst. Eng. 8, No.1-2 (2011) 255-258
311. Inverse of an arbitrary Vandermonde matrix,
J. López-Bonilla, J. Rivera, S. Vidal,
J. Inst. Eng. 8, No.1-2 (2011) 263-265
312. Análisis de desempeño de conmutadores de microondas serie-paralelo diseñados con diodos p-i-n de diferentes materiales semiconductores,
Gabriela Leija-Hernández, A. Iturri, J. López-Bonilla,
Rev. Fac. Ing. Univ. Antioquia (Colombia) No.58 (2011) 183-190
313. Pocklington equation and method of moments with non-uniform sampling,
V. Barrera, J. López-Bonilla, J. Sosa,
Dhaka Univ. J. Sci. 59, No.1 (2011) 97-101
314. Associated polynomials of Chebyshev,
J. López-Bonilla, Melih Turgut, A. Zaldívar,
Dhaka Univ. J. Sci. 59, No.1 (2011) 153-154
315. Characterization of Mannheim curves in the Heisenberg group $Heis^3$,
E. Turhan, T. Körpınar, J. López-Bonilla,
JVR 6, No.1 (2011) 29-36
316. Scaling factor to steganographic algorithms for RGB images,
B. E. Carvajal, F. Gallegos, J. López-Bonilla,
in “Computational Techniques and Algorithms for Image Processing”,
Ed. S. Ramakrishnan & Ibrahiem M.M. El Emary, ISBN: 978-3-8433-5802-6,
Lambert Academic Pub. (LAP), Germany, Oct. 2010, Chap.15, pages 477-504
317. Experimental analysis of voice/data transmission parameters for mobile terminals in cellular networks,
Montserrat Jiménez-Licea, S. Vidal, J. López-Bonilla,
Wireless Engineering Technology (USA) 2, No.1 (2011) 9-14
318. On a generating function for the Hermite polynomials,
A. Bucur, J. López-Bonilla, M. Robles,
J. Sci. Res. 55 (2011) 173-175
319. Non-null helices in a Lorentzian 6-space,
Süha Yılmaz, Ahmad T. Ali, J. López-Bonilla,
The IUP J. Phys. (India) 4, No.2 (2011) 29-36
320. Geometric transformation applied to electromagnetic compatibility,
A. Rangel, R. Linares, J. López-Bonilla,
The IUP J. Phys. 4, No.2 (2011) 42-54

321. Krige method application for the coverage analysis of a node-B in a WCDMA network,
Jazmin Ponce-Rojas, S. Vidal, J. López-Bonilla, Montserrat Jiménez-Licea
Int. J. Communications, Network and System Sciences 4, No.3 (2011) 180-188
322. Far field from near field measurements. An approach to solve the inverse problem of electromagnetic radiation via genetic algorithms,
A. Rangel, R. Linares, J. López-Bonilla,
Rev. Fac. Ing. Univ. Antioquia No.59 (2011) 32-36
323. Aspectos quirales del grafeno,
H. Torres-Silva, J. López-Bonilla,
Ingeniare. Revista chilena de ingeniería 19, No.1 (2011) 67-75
324. Early prediction and detection of strong earthquakes through chiral radiation waves,
H. Torres-Silva, J. López-Bonilla, A. Iturri,
JVR 6, No.2 (2011) 16-24
325. Physical characteristics of grains of maize pre-sowing treated by electromagnetic fields,
Doricela Gutiérrez-Cruz, Rosalba Zepeda-Bautista, Claudia Hernández-Aguilar,
A. Domínguez-Pacheco, A. Cruz-Orea, J. López-Bonilla,
Acta Agrophysica (Poland) 18, No.1 (2011) 17-31
326. Sobre un sencillo problema aritmético,
J. López-Bonilla, J. Yaljá Montiel,
Laberintos e Infinitos (ITAM-México) No.25 (2011) 5
327. The RFID tag performance considerations in the vehicular identification,
R. Meneses, R. Linares, Laura Montes, J. López-Bonilla,
Global Engineers and Technologists Review (Malaysia) 1, No.1 (2011) 29-34
328. Ecuación diferencial lineal de 2do. orden en su forma exacta,
R. Cruz, J. López-Bonilla,
Laberintos e Infinitos No.26 (2011) 16-17
329. Control of natural mycobiota in maize grains by ultraviolet (UVC) irradiation,
Carmen Liliana Rodríguez-Páez, María Cristina Pérez-Reyes, Claudia Hernández-Aguilar, A. Domínguez P., E. Moreno-Martínez, A. Cruz O., J. López-Bonilla,
Acta Agrophysica 18, No.2 (2011) 375-388
330. Una sencilla demostración del 2do. teorema de Ptolomeo,
R. Cruz, J. López-Bonilla,
Laberintos e Infinitos No.27 (2011) 24-25

331. Weighted median algorithm applied to steganography in RGB images,
Blanca E. Carvajal, F. Gallegos, R. Cruz, J. López-Bonilla,
Int. J. of Nonlinear Dynamics in Eng. & Sciences 3, No.1 (2011) 95-101
332. Aplicación del método de Krige para el análisis de cobertura de un nodo B,
Jazmín Ponce-Rojas, S. Vidal, I. Zamudio, J. López-Bonilla,
Nova Scientia (Mexico) 3, No.6 (2011) 16-31
333. A similarity transformation for the rotation matrix,
A. Hernández-Galeana, J. López-Bonilla, J. Rivera,
Int. J. of Mathematical Engineering and Science (IJMES) 1, No.1 (2012) 8-12
334. A note on the Namias identity for Bernoulli numbers,
Amelia Bucur, J. López-Bonilla, J. Robles,
J. Sci. Res. (India) 56 (2012) 117-120
335. Involute curves of biharmonic Reeb curves 3-dimensional Kenmotsu manifold,
E. Turhan, T. Körpınar, J. López-Bonilla,
J. Sci. Res. 56 (2012) 109-116
336. Rank M-type L-filter for image processing applications,
F. Gallegos, J. L. Varela-Benítez, J. López-Bonilla,
Techno Hub - Int. J. of Engineering & Technology (India) 1, No.1 (2012) 1-11
337. Design methodology of loaded-line phase shifters based on silicon and gallium
arsenide bulk p-i-n diodes,
A. Iturri, J. López-Bonilla, D. Rodríguez,
IJMES 1, No.2 (2012) 13-21
338. Focal curves of biharmonic curves in the $SL_2(\mathbb{R})$,
T. Körpınar, E. Turhan, J. López-Bonilla,
IJMES 1, No.2 (2012) 57-63
339. Electromagnetic compatibility,
R. Linares, J. López-Bonilla,
Ingeniare. Revista chilena de ingeniería 20, No.1, Editorial (2012) 2-4
340. On the 3rd order linear differential equation,
Blanca L. Moreno-Ley, J. López-Bonilla, Bhadra Man Tuladhar,
Kathmandu Univ. J. Science, Engineering and Technology 8, No.2 (2012) 7-10
341. A simple deduction of the Lewis invariant,
Z. Ahsan, R. Cruz, J. López-Bonilla,
Aligarh Bull. Maths. (India) 31, No.1 (2012) 1-4

342. Linear differential equations of third and fourth order,
Z. Ahsan, R. Cruz, J. López-Bonilla,
Aligarh Bull. Maths. 31, No.1 (2012) 5-7
343. A note on the Einstein spaces of class two,
Z. Ahsan, A. Iturri, J. López-Bonilla,
Jour. Tensor Society (India) 6, No.2 (2012) 135-136
344. SVD applied to Dirac supermatrix,
I. Guerrero, J. López-Bonilla, L. Rosales,
The Sci. Tech., J. of Science & Technology (India) First Special Issue in honor to
Paul Dirac, Aug. 2012, 111-114
345. Mobile computing,
Erika Hernández-Rubio, J. Yaljá Montiel, J. López-Bonilla,
Ingeniare. Revista chilena de ingeniería 20, No.3, Editorial (2012) 280-281
346. Chiral changes on ratio of the compressional velocity to the shear velocity for the
determination of earthquake magnitudes through high-frequency energy radiation:
Application to the February 27, 2010 Chile earthquake and Japan earthquake on
March 11, 2011,
H. Torres-Silva, D. Torres-Cabezas, J. López-Bonilla,
The SciTech, J. of Science & Technology (India) 1, No.2 (2012) 17-23
347. Determination of the cost for the voltage support considering the capability curve in
electric systems with centralized dispatch,
S. B. Barragán, J. Robles, J. López-Bonilla,
The SciTech, J. of Science & Technology 1, No.2 (2012) 24-39
348. A counterexample for a theorem of Sen,
Z. Ahsan, J.H. Caltenco, J. López-Bonilla,
Aligarh Bull. Maths. 31, No.1-2 (2012) 65-66
349. The Gallas formula, Invited Paper
J. López-Bonilla, R. López-Vázquez, J. Morales,
Proc. Int. Conf. on Special Functions & Applications 12 (2013) 69-71
12th Annual Conf. of Soc. for Special Functions and their Applications, Dec. 13-15,
2013, Jaipur, Rajasthan, India
350. Three-dimensional effective mass Schrödinger equation: harmonic and Morse-type
potential solutions,
J. Morales, G. Ovando, J. López-Bonilla,
Journal of Molecular Modeling 19, No.5 (2013) 2007-2014

351. Adjust of energy with compactly supported orthogonal wavelet for steganographic algorithms using the scaling function $1/\sqrt{2}^j$,
B. E. Carvajal, F. Gallegos, A. Rosales, J. López-Bonilla,
Int. J. Phys. Sci. 8, No.4 (2013) 157-166
352. On the inverse Laplace transform,
A. Hernández G., J. López-Bonilla, J. Rivera, B. Man Tuladhar,
KUSET (Nepal) 9, No.1 (2013) 161-164
353. A counterexample to Boyer-Plebański conjecture,
C. Mora-Ley, J. López-Bonilla, R. López-Vázquez,
Lat. Am. J. Phys. Educ. (Mexico) 7, No.1 (2013) 154-155
354. Lanczos derivative applied to Fourier series,
R. Cruz, J. López-Bonilla, R. López-Vázquez,
J. Sci. Res. (India) 57 (2013) 165-167
355. Diseño de una antena multicapa tipo RADANT con base en diodos PIN para la banda X,
A. Iturri, A.E. Martynyuk, J. López-Bonilla,
Nova Scientia (México) 6, No.11 (2013) 81-92
356. Simulación del blindaje a una línea de distribución contra descargas atmosféricas,
B. Guevara-Cortés, J. López-Bonilla, S. Vidal,
Nova Scientia 6, No.11 (2013) 93-112
357. On the operator $\exp [2\lambda (P+Q)]$,
R. Cruz, J. López-Bonilla, J. Morales R., G. Ovando,
The SciTech, J. of Science & Technology (India) 2, No.1 (2013) 16-20
358. A note on the Darboux transformation,
J. H. Caltenco, J. López-Bonilla, R. López-Vázquez,
The SciTech, J. of Sci. & Tech. 2, No.1 (2013) 13-15
359. Second order linear differential equation in its exact form,
A. Hernández G., J. López-Bonilla, J. Rivera,
The SciTech, J. of Sci. & Tech. 2, No.1 (2013) 34-36
360. On the quality of drinking water as a topic of multicriterial decision,
Amelia Bucur, Gabriela Leija-Hernández, J. López-Bonilla,
Journal de Ciencia e Ingeniería (Colombia) 5, No.1 (2013) 1-11
361. Sobre el método tau de Lanczos-Ortiz,
J. H. Caltenco, J. López-Bonilla, J. Morales, Blanca Lucía Moreno,
Journal de Ciencia e Ingeniería 5, No.1 (2013) 20-24

362. SVD de una matriz arbitraria,
J. H. Caltenco, Blanca E. Carvajal, P. Lam E., J. López-Bonilla,
Journal de Ciencia e Ingeniería 5, No.1 (2013) 12-19
363. On the Laforgia-Natalini's inequality for the Riemann zeta function,
Z. Ahsan, P. Lam E., J. López-Bonilla, R. López-Vázquez,
Transnational J. of Mathematical Analysis and Applications (India) 1, No.1(2013)1-4
364. R_4 of class one,
P. Lam E., J. López-Bonilla, R. López-Vázquez,
Transnational J. of Mathematical Analysis and Applications 1, No.1 (2013) 5-8
365. Biophysical methods and engineering: transdisciplinary systemic perspective,
C. Hernández A., A. Domínguez P., J. López-Bonilla, E. Martínez O., A. Cruz O.
Ingeniare. Revista chilena de ingeniería 21, No.3, Editorial (2013) 308-310
366. Modelo de planeación sistémica para el sistema satelital mexicano,
C. G. León-Vega, S. Saucedo-Flores, J. López-Bonilla,
Rev. Electrónica Humanidades, Tecnología y Ciencia-IPN, México, No.8 (2013) 1-6
367. A generator for the Riemann and Weyl tensors in Gödel metric,
Myriam R. Maldonado-Ramírez, J. López-Bonilla, R. López-Vázquez,
The SciTech, J. of Sci. & Tech. 2, No.2 (2013) 49-51
368. A note on the third order linear differential equation,
Amelia Bucur, J. López-Bonilla, A. Zaldívar,
The SciTech, J. of Sci. & Tech. 2, No.2 (2013) 31-35
369. Riccati equation and Darboux transform,
R. Cruz, J. López-Bonilla, J. Morales,
The SciTech, J. of Sci. & Tech. 2, No.2 (2013) 1-4
370. Least squares method via linear algebra,
P. Lam E., Myriam R. Maldonado R., J. López-Bonilla, R. López-Vázquez,
The SciTech, J. of Sci. & Tech. 2, No.2 (2013) 12-16
371. Spinorial and quaternionic forms of Maxwell equations in vacuo,
Piscoran Laurian-Ioan, J. López-Bonilla, R. López-Vázquez,
The SciTech, J. of Sci. & Tech. 2, No.2 (2013) 36-39
372. Schwarz's kernel via the Poisson's formula,
Blanca E. Carvajal, J. López-Bonilla, R. López-Vázquez,
The SciTech, J. Sci. & Tech. 2, No.2 (2013) 40-42

373. A small note about the elliptical polarization of the electric field in the RFID communication system,
R. Meneses, Laura Montes, J. López-Bonilla,
The Sci.Tech, J. Sci. & Tech. 2, No.2 (2013) 43-48
374. Square root of an operator: Laplacian & Weyl and Dirac equations,
J. López-Bonilla, R. López-Vázquez,
Information Sciences and Computing (India) V2013, No.2 (2013) October
375. Lanczos algorithm of minimized iterations,
Gabriela Leija-Hernández, J. López-Bonilla, R. López-Vázquez, C. Mora,
Lat. Am. J. Phys. Educ. 7, No.4 (2013) 598-603
376. Invariantes Riemannianos,
J. López-Bonilla, C. Mora, G. Ovando,
Journal de Ciencia e Ingeniería 5, No.1 (2013) 44-45
377. Vectores tipo-tiempo constantes en un R_4 vacío arbitrario,
H. Caicedo-Ortiz, J. López-Bonilla, R. López-Vázquez,
Journal de Ciencia e Ingeniería 5, No.1 (2013) 42-43
378. Solution of a homogeneous linear recurrence relation,
F. Becerril-Espinoza, J. López-Bonilla, R. López-Vázquez,
Journal de Ciencia e Ingeniería 5, No.1 (2013) 92-94
379. Solución particular de la ecuación diferencial lineal de orden tres,
R. Cruz, J. López-Bonilla, A. Zaldívar,
Journal de Ciencia e Ingeniería 5, No.1 (2013) 95-96
380. Characterization of maize grains with different pigmentation investigated by photoacoustic spectroscopy,
R. Rico Molina, C. Hernández A., A. Domínguez, A. Cruz-Orea, J. López-Bonilla,
Int. J. Thermophys. 35 (2014) 1933-1939
381. On the Rathie-Pogany's identity for ${}_2F_2$, Invited Paper
A. Hernández G., J. López-Bonilla, R. López-Vázquez,
Proc. Int. Conf. on Special Functions & Applications 13 (2014) 54-57
13th Annual Conf. of Soc. for Special Functions and their Applications,
School of Mathematics and Computer Applications, Tharpar University,
Patiala, Punjab, India, Oct. 16-18, 2014
382. Kerr geometry and its Lanczos spintensor,
J. López-Bonilla, J. Morales, G. Ovando,
New Advances in Physics 8, No.2 (2014) 107-110

383. On the Riemann zeta function at even integers,
Z. Ahsan, P. Lam E., J. López-Bonilla,
Inform. Sci. Comput. (India) V2014, No.1 (2014) January
384. On an iterative method to solve 2th order homogeneous linear differential equations,
J. H. Caltenco, J. López-Bonilla, J. Morales, G. Ovando,
Inform. Sci. Comput. V2014, No.1 (2014) January
385. On the Cioranescu-(Haslam-Jones)-Lanczos generalized derivative,
A. Hernández, Piscoran Laurian-Ioan, J. López-Bonilla, R. López-Vázquez,
Global J. of Advanced Res. on Classical and Modern Geometries 3, No.1 (2014) 44-49
386. R_4 of class one with energetic rigidity,
J. López-Bonilla, J. Rivera,
Global J. Adv. Res. Class. Mod. Geom. (Romania) 3, No.1 (2014) 36-37
387. Metodología para el cálculo adecuado de las alturas de antenas en un radioenlace de microondas en línea de vista,
G. Leija, A. Iturri, J. López-Bonilla,
Nova Scientia 6, No.12 (2014) 1-12
388. Steganographic methods for color images using variance field estimation and scaling factor for energy conservation,
Blanca E. Carvajal, F. Gallegos, J. López-Bonilla,
in “Theoretical and Computational Research in the 21st Century”,
ISBN: 9781 7718 80336, Ed. Nazmul Islam,
Apple Academic Press, New Jersey, USA (2014) 89-106
389. Lagrangians: Symmetries, gauge identities and first integrals,
P. Lam E., J. López-Bonilla, R. López-Vázquez, G. Ovando,
The SciTech, J. of Sci. & Tech. 3, No.1 (2014) 54-66
390. On the Gallas identity,
J. López-Bonilla, R. López-Vázquez, J. Morales,
The SciTech, J. of Sci. & Tech. 3, No.1 (2014) 51-53
391. Local and isometric embedding of the C and Taub generalized metrics,
J. López-Bonilla, J. Morales, G. Ovando,
The SciTech, J. of Sci. & Tech. 3, No.1 (2014) 67-69
392. Einstein-Maxwell solution with shearing rays,
J. H. Caltenco, J. López-Bonilla, G. Ovando,
The SciTech, J. of Sci. & Tech. 3, No.1 (2014) 8-12
393. Motion of classical charged particles in a constant electromagnetic field,
H. E. Caicedo O., J. López-Bonilla, H. Torres-Silva,
The SciTech, J. of Sci. & Tech. 3, No.1 (2014) 70-74

394. Null principal directions and canonical vectors,
J. López-Bonilla, R. López-Vázquez, A. Zaldívar,
Journal de Ciencia e Ingeniería 6, No.1 (2014) 21-22
395. On the NP constants for asymptotically flat spaces,
Z. Ahsan, J. H. Caltenco, J. López-Bonilla,
Inform. Sci. Comput. V2014, No.2 (2014) April
396. Diseño de un arreglo rectangular de microcintas para dispositivos de Red
Wi-Fi 2.4 GHz,
G. Leija H., A. Iturri, J. López-Bonilla,
Ingeniare (Chile) 28, No.2 (2014) 41-46
397. Lorentz transformations via Pauli matrices,
Z. Ahsan, J. López-Bonilla, Bhadra Man Tuladhar,
Journal of Advances in Natural Sciences 2, No.1 (2014) 49-51
398. Riccati and Schrödinger equations associated to second order linear differential
equation,
Z. Ahsan, H. E. Caicedo O., J. López-Bonilla,
Aligarh Bull. Maths. 33, No.1-2 (2014) 5-10
399. On the second order linear differential equation,
A. Hernández, J. López-Bonilla, R. López-Vázquez,
Pure and Applied Mathematics Letters (India) 2 (2014) 31-34
400. Some applications of ${}_2F_1(\alpha, \beta; \gamma; z)$,
J. López-Bonilla, R. López-Vázquez, J. C. Prajapati,
Int. J. of Mathematical Engineering and Science 3, No.1 (2014) 41-46
401. An inverted L antenna with a parasitic structure for RFID tag,
R. Meneses, J. López-Bonilla,
Evolving Trends in Engineering & Technology (E-TET) (India) 1, No.1 (2014) 76-84
402. Lanczos approach to Noether's theorem,
P. Lam E., J. López-Bonilla, R. López-Vázquez,
Bull. Soc. for Mathematical Services & Standards (India) 3, No.3 (2014) 1-4
403. Singular value decomposition,
J. H. Caltenco, B. E. Carvajal, P. Lam E., J. López-Bonilla,
Bull. Soc. for Mathematical Services & Standards 3, No.3 (2014) 17-27
404. Rotaciones en el espacio de Minkowski,
I. Guerrero, G. Leija H., J. López-Bonilla,
Journal de Ciencia e Ingeniería 6, No.1 (2014) 13-15

405. Spacetimes of class one with perfect fluid,
J. López-Bonilla, J. Rivera, Piscoran Laurian-Ioan,
Global J. Adv. Res. Class. Mod. Geom. 3, No.2 (2014) 130-135
406. Desarrollo e implementación de una interfaz gráfica de usuario para el cálculo y comparación de modelos de propagación electromagnética en exteriores,
Mariana A. Eslava Gutiérrez, S. Vidal, J. López-Bonilla,
Nova Scientia (Mexico) 7, No.13 (2014) 228-242
407. Petrov classification of the Liénard-Wiechert field,
J. López-Bonilla, R. López-Vázquez, H. Torres-Silva,
International Frontier Science Letters (India) 1, No.2 (2014) 16-18
408. Discovering spectrum holes in a specific indoor environment for cognitive radio application,
R. Meneses, Laura Montes, J. López-Bonilla,
Int. J. of Applied Mathematics and Machine Learning (India) 1, No.2 (2014) 139-152
409. Chiral constitutive relations for the Maxwell equations,
H. Torres-Silva, Z. Ahsan, J. López-Bonilla, J. Rivera,
Aligarh Bull. Maths. 33, No.1-2 (2014) 11-20
410. Darboux transform applied to Hulthén potential,
Z. Ahsan, J. López-Bonilla, J. Morales,
Aligarh Bull. Maths. 33, No.1-2 (2014) 64-67
411. X-ray diffraction and scanning electronic microscopy study in ZnO:Ag nanorods,
E. Velázquez-Lozada, G. M. Camacho-González, J. López-Bonilla, J. Quino,
The SciTech, J. of Sci. & Tech. 3, No.2 (2014) 23-27
412. On the integrability conditions for the Bianchi identities,
J. López-Bonilla, J. Morales, G. R. Pérez-Teruel,
The SciTech, J. of Sci. & Tech. 3, No.2 (2014) 28-31
413. Maxwell equations and duality rotations,
J. López-Bonilla, R. López-Vázquez, Bhadra Man Tuladhar,
The SciTech, J. of Sci. & Tech. 3, No.2 (2014) 20-22
414. Scanning spectroscopy in InAs/InGaAs quantum-dot heterostructures,
E. Velázquez-Lozada, G. M. Camacho-González, J. Quino, J. López-Bonilla,
The SciTech, J. of Sci. & Tech. 3, No.2 (2014) 10-14
415. Riemann sphere, Lorentz transformations and Möbius mapping,
P. Lam E., J. López-Bonilla, R. López-Vázquez,
Bull. of Kerala Mathematics Association (India) 11, No.2 (2014) 237-240

416. Chiral helical medium: A simple model for DNA-like molecules,
H. Torres-Silva, J. López-Bonilla, J. C. Prajapati,
The SciTech, Int. J. of Engineering Sciences (India) 2 (2014) 21-30
417. On certain identities for the hypergeometric function ${}_2F_2$,
A. Hernández, J. López-Bonilla, R. López-Vázquez,
The SciTech, Int. J. Eng. Sci. 2 (2014) 65-68
418. Polynomial solutions of differential equations,
J. H. Caltenco, J. López-Bonilla, J. Morales, G. R. Pérez-Teruel,
The SciTech, Int. J. Eng. Sci. 2 (2014) 73-79
419. Sturm-Liouville equations where the potentials differ by a constant,
J. López-Bonilla, G. Ovando, J. Rivera,
The SciTech, Int. J. Eng. Sci. 2 (2014) 18-20
420. Propagators for free particle, harmonic oscillator and constant external field,
A. Hernández, J. López-Bonilla, R. López-Vázquez, J. Rivera,
The SciTech, Int. J. Eng. Sci. 2 (2014) 69-72
421. Electromagnetic field, null tetrads and 2-spinors,
A. Hernández, J. López-Bonilla, R. López-Vázquez, Ginés R. Pérez-Teruel,
The SciTech, Int. J. Eng. Sci. 2 (2014) 80-102
422. On the Pandey-Sharma spacetime,
Z. Ahsan, J. López-Bonilla, R. López-Vázquez,
Information Sci. and Comp. V2014, No.4, Oct. 2014
423. Matrix method to construct point symmetries of Lagrangians,
P. Lam E., J. López-Bonilla, R. López-Vázquez, G. Ovando,
Bull. of Kerala Mathematics Association 12, No.1 (2015) 43-52
424. On one result for the terminating ${}_3F_2(2)$,
J. López-Bonilla, R. López-Vázquez, S. Vidal-Beltrán,
Bull. of Kerala Mathematics Association 12, No.1 (2015) 53-55
425. Chiral ratio of the compressional and shear velocity for the determination of
strong earthquake magnitudes through high-frequency energy radiation,
H. Torres-Silva, D. Torres-Cabezas, J. López-Bonilla, B. Man Tuladhar,
Kathmandu Univ. J. of Science, Engineering and Technology 11, No.1 (2015) 16-25
426. Bargmann's theorem for bound states in a central field,
J. López-Bonilla, R. López-Vázquez, B. Man Tuladhar,
Kathmandu Univ., J. of Science, Engineering and Technology 11, No.2 (2015) 45-47

427. Rotations in three dimensions,
J. López-Bonilla, R. López-Vázquez, J. C. Prajapati,
J. of Interdisciplinary Mathematics (India) 18, No.1-2 (2015) 97-102
428. Quaternions, 2x2 complex matrices and Lorentz transformations,
B. Carvajal, I. Guerrero, J. López-Bonilla,
Bibechana (Nepal) 12 (2015) 30-34
429. Faraday tensor and Maxwell spinor,
A. Hernández, J. López-Bonilla, R. López-Vázquez, Ginés R. Pérez-Teruel,
Prespacetime Journal 6, No.2 (2015) 88-107
430. Fractal dimension and turbulence in Giant HII regions,
H. E. Caicedo-Ortiz, E. Santiago-Cortés, H. O. Castañeda, J. López-Bonilla,
VII Int. Congress of Engineering Physics, UAM-A, 24-28 Nov. 2014, México,
Journal of Physics: Conference Series 582, No.1 (2015) 012049, IOP Publishing
431. Matrix approach to Petrov classification,
B. E. Carvajal, J. López-Bonilla, R. López-Vázquez,
Prespacetime Journal 6, No.3 (2015) 151-155
432. On the gauge identities & genuine constraints of certain Lagrangians,
P. Lam E., J. López-Bonilla, R. López-Vázquez, G. Ovando,
Prespacetime Journal 6, No.3 (2015) 238-246
433. Rotating black hole and a potential for its Weyl tensor,
J. López-Bonilla, Laurian Ioan Piscoran, G. Pérez-Teruel,
Global J. Adv. Res. Class. Mod. Geom. 4, No.1 (2015) 62-64
434. Point symmetries of Lagrangians,
P. Lam E., J. López-Bonilla, R. López-Vázquez, G. Ovando,
Operations Research and Applications Journal (India) 2, No.1 (2015) 1-8
435. Wave equation & Lanczos potential,
J. López-Bonilla, J. Morales, G. Ovando,
Prespacetime Journal 6, No.4 (2015) 269-272
436. On the Noether's theorem,
P. Lam E., J. López-Bonilla, R. López-Vázquez,
Prespacetime Journal 6, No.4 (2015) 322-325
437. On two results for the terminating ${}_3F_2(2)$,
R. Cruz, J. López-Bonilla, R. López-Vázquez,
Prespacetime Journal 6, No.4 (2015) 326-328

438. Weber's electrodynamics for the hydrogen atom,
H. Torres-Silva, J. López-Bonilla, R. López-Vázquez, J. Rivera,
Indonesian J. of Applied Physics 5, No.1 (2015) 39-47
439. Maxwell, Lanczos and Weyl spinors,
J. López-Bonilla, R. López-Vázquez, J. Morales, G. Ovando,
Prespacetime Journal 6, No.6 (2015) 509-520
440. Einstein spaces of class one,
J. H. Caltenco, J. López-Bonilla, A. Zaldívar,
Prespacetime Journal 6, No.6 (2015) 550-553
441. Lanczos polynomials,
B. E. Carvajal, J. López-Bonilla,
Prespacetime Journal 6, No.6 (2015) 554-556
442. On the Darboux transform,
J. H. Caltenco, J. López-Bonilla, H. Torres-Silva,
The SciTech, J. of Sci. & Tech. 4, No.1 (2015) 46-48
443. Chiral nonlinear Schrödinger equation for a seismic channel,
H. Torres-Silva, S. Barragán-Gómez, J. López-Bonilla, B. Man Tuladhar,
The SciTech, J. of Sci. & Tech. 4, No.1 (2015) 2-9
444. Curcuma, anticancer food: photoacoustic spectroscopy,
C. Hernández, A. Domínguez, A. Cruz, J. González, E. Rojas-Lima, J. López-Bonilla,
The SciTech, J. of Sci. & Tech. 4, No.1 (2015) 40-45
445. Embedding of the Gödel cosmological model,
C. Hernández-Aguilar, A. Domínguez-Pacheco, J. López-Bonilla, G. Bahadur Thapa,
The SciTech, J. of Sci. & Tech. 4, No.1 (2015) 18-20
446. Throughput performance application for 4G mobile devices with android operating system,
V. Caldera-Chacón, S. Vidal, J. López-Bonilla,
The SciTech, J. of Sci. & Tech. 4, No.1 (2015) 21-27
447. Okumura-Hata, Walfish-Ikegami and 3GPP propagation models in urban environments for UMTS networks,
A. Degollado-Rea, S. Vidal, J. López-Bonilla, G. Bahadur Thapa,
The SciTech, J. of Sci. & Tech. 4, No.1 (2015) 70-78
448. SAR distribution in children head due to wireless local area networks using the method of moments,
H. Torres-Silva, D. Torres-Cabezas, J. López-Bonilla, G. Bahadur Thapa,
The SciTech, J. of Sci. & Tech. 4, No.1 (2015) 87-97

449. On an identity for ${}_3F_2(1)$ via Morse potential,
J. López-Bonilla, R. López-Vázquez, J. Morales,
The SciTech, J. of Sci. & Tech. 4, No.1 (2015) 84-86
450. Newman-Penrose equations, Bianchi identities, and Weyl-Lanczos relations,
P. Lam, J. López-Bonilla, R. López-Vázquez, A. K. Rathie,
Prespacetime Journal 6, No.8 (2015) 684-696
451. Spin coefficients formalism,
J. López-Bonilla, R. López-Vázquez, J. Morales, G. Ovando,
Prespacetime Journal 6, No.8 (2015) 697-709
452. A summation due to Ramanujan and its generalization,
Layana Azhikodan, A. K. Rathie, J. López-Bonilla,
Prespacetime Journal 6, No.8 (2015) 733-734
453. On the Legendre polynomials,
J. López-Bonilla, R. López-Vázquez, H. Torres-Silva,
Prespacetime Journal 6, No.8 (2015) 735-739
454. A formula for the k th-derivative of $e^{-z} {}_2F_2(a, r+1; b+1, r; z)$,
J. López-Bonilla, A. K. Rathie, Gabriela Sánchez-Meléndez,
Journal of the Institute of Engineering (Nepal) 11, No.1 (2015) 88-90
455. Radiation coordinates of Florides-McCrea-Synge,
J. López-Bonilla, R. López-Vázquez, G. R. Pérez-Teruel,
Journal of the Institute of Engineering 11, No.1 (2015) 151-157
456. Terminating ${}_3F_2(2)$ and some identities for ${}_2F_2$,
A. Hernández, J. López-Bonilla, R. López-Vázquez,
Journal of Institute of Science and Technology 20, No.1 (2015) 123-126
457. Differentiation of Fourier series via orthogonal derivative,
R. Cruz, J. López-Bonilla, R. López-Vázquez,
Journal of Institute of Science and Technology (Nepal) 20, No.2 (2015) 113-114
458. A note on Lagrangians and Lovelock-Rund's identities,
G. Bahadur Thapa, J. López-Bonilla,
Journal of Institute of Science and Technology 20, No.2 (2015) 136-139
459. On a result contiguous to Ramanujan's entry 35 (iii),
Nidhi Shekhawat, A. K. Rathie, J. López-Bonilla,
Prespacetime Journal 6, No.9 (2015) 818-821
460. Radial ladder operators in the 3D Coulomb interaction,
H. N. Núñez-Yépez, J. López-Bonilla, A. L. Salas-Brito,
Prespacetime Journal 6, No.9 (2015) 808-813

461. On a new class of integral involving generalized hypergeometric function,
A. K. Rathie, J. López-Bonilla, R. López-Vázquez,
Prespacetime Journal 6, No.9 (2015) 814-817
462. Empty type D metrics and their Lanczos potential,
H. N. Núñez-Yépez, J. López-Bonilla, R. López-Vázquez,
Prespacetime Journal 6, No.9 (2015) 829-832
463. On a Collinson's theorem about empty spacetimes embedded into a space of constant curvature,
J. López-Bonilla, D. Romero-Jiménez, A. Zaldívar,
Prespacetime Journal 6, No.9 (2015) 826-828
464. Influencia del campo magnético de baja frecuencia en la obtención del SAR en la cabeza humana,
H. Torres-Silva, D. Torres-Cabezas, C. Hernández-Aguilar, J. López-Bonilla,
World Institute for Scientific Exploration (USA) WISE Journal 4, No.4 (2015) 31-44
465. Matrix elements $\langle n_2 | r^k | n_1 \rangle$ for the Coulomb potential,
R. Cruz, J. López-Bonilla, A. K. Rathie,
Prespacetime Journal 6, No.10 (2015) 1011-1013
466. A generator for the Lanczos potential in type D vacuum spacetimes,
J. López-Bonilla, R. López-Vázquez, A. L. Salas-Brito,
Prespacetime Journal 6, No.10 (2015) 995-998
467. Integrals involving generalized hypergeometric function ${}_4F_3$,
Shantha Kumari. K, J. López-Bonilla, A. K. Rathie,
Prespacetime Journal 6, No.10 (2015) 992-994
468. On the linear differential equation of second order,
Gyan Bahadur Thapa, A. Domínguez-Pacheco, J. López-Bonilla,
Prespacetime Journal 6, No.10 (2015) 999-1001
469. 3-Rotations via the Olinde Rodrigues-Cartan and Hamilton-Cayley expressions,
J. C. Prajapati, J. López-Bonilla, R. López-Vázquez,
Prespacetime Journal 6, No.11 (2015) 1236-1241
470. On an integral involving the hypergeometric function ${}_3F_2$,
A. K. Rathie, J. López-Bonilla, D. Vázquez-Álvarez,
Prespacetime Journal 6, No.11 (2015) 1233-1235
471. On the Faddeev's technique to construct A^{-1} ,
J. H. Caltenco, J. López-Bonilla, R. Peña R.,
Prespacetime Journal 6, No.11 (2015) 1230-1232

472. Laplace transform of matrix exponential function,
J. López-Bonilla, D. Romero-Jiménez, A. Zaldívar,
Prespacetime Journal 6, No.12 (2015) 1410-1413
473. Lanczos generators for the Weyl tensor in Kerr geometry,
G. M. Camacho-González, J. López-Bonilla, E. Velázquez-Lozada,
Prespacetime Journal 6, No.12 (2015) 1388-1391
474. A note on a sum of the series $1/1.3 + 1/3.5 + 1/5.7 + \dots = 1/2$,
A. K. Rathie, Shantha Kumari. K, J. López-Bonilla,
Prespacetime Journal 6, No.12 (2015) 1407-1409
475. Two-component spinors,
A. Hernández-Galeana, J. López-Bonilla, R. López-Vázquez, G. Pérez-Teruel,
Open J. Appl. & Theor. Maths. (India) 1, No.1 (2015) 24-64
476. Baldoni et al method for homogeneous linear recurrence relations,
P. Lam-Estrada, J. López-Bonilla, R. López-Vázquez,
Proc. Int. Conf. on Special Functions & Applications, ICSFA 2015
14th Annual Meeting of Soc. for Special Functions and their Applications,
Amity University, Noida, Uttar Pradesh, India, 10-12 Sept. (2015) 6-10
477. On an extension of Kummer's second theorem,
P. Adunkudi, J. López-Bonilla, A. K. Rathie,
Scientia Magna 11, No.1 (2016) 12-18
478. Book: "Physical Chemistry for the Chemical and Biochemical Sciences",
Editors: J. López-Bonilla, Marat Ibragimovich Abdullin, Gennady E. Zaikov,
Reviewer and Advisory Board Member: A. K. Haghi, ISBN: 9781 7718 8149 4
Apple Academic Press, New Jersey, USA, April 2016
479. Werner Heisenberg and the Samadhi,
Carina Aguilar, Blanca E. Carvajal, J. López-Bonilla,
Scientific God Journal 7, No.1 (2016) 37-39
480. Sri Aurobindo at Alipore jail,
J. López-Bonilla,
Scientific God Journal 7, No.1 (2016) 40-42
481. Number-phase quantization approach for Bohr's black hole,
H. Torres-Silva, B. Guevara-Cortés, J. López-Bonilla, R. López-Vázquez,
Prespacetime Journal 7, No.1 (2016) 154-162
482. Transformation of Dirac spinor under boosts and 3-rotations,
P. Lam-Estrada, M. R. Maldonado-Ramírez, J. López-Bonilla, R. López-Vázquez,
Prespacetime Journal 7, No.1 (2016) 148-153

483. Petrov classification of the Plebański tensor,
J. J. Godina-Nava, J. López-Bonilla, A. L. Salas B.,
Open J. of Applied & Theoretical Mathematics (OJATM) 2, No.1 (2016) 21-26
484. On two theorems of Kozameh-Newman-Tod,
V. Barrera-Figueroa, J. López-Bonilla, R. López-Vázquez,
Open J. Appl. Theor. Maths. 2, No.1 (2016) 37-39
485. On two scalars of the conformal tensor in C- spacetimes,
V. Barrera F., R. Cruz-Santiago, J. López-Bonilla,
Open J. Appl. Theor. Maths. 2, No.1 (2016) 55-58
486. The Maxwell and quaternionic Dirac equations under chiral approach,
H. Torres-Silva, J. López-Bonilla, R. López-Vázquez,
Open Journal of Technology & Engineering Disciplines (India) 2, No.1 (2016) 21-27
487. Brans-Edgar equations for vacuum metrics of type I,
J. López-Bonilla, J. Morales, S. Vidal B.,
Open J. Tech. & Eng. Disciplines (OJTED) 2, No.1 (2016) 28-32
488. Lanczos spintensor, zero-point energy, and N-machines,
J. H. Caltenco, J. López-Bonilla, R. Peña R.,
WISE Journal 5, No.1 (2016) 60-63
489. Bioestimulación láser en semillas y plantas,
C. Hernández A., A. Domínguez P., A. Cruz-Orea, R. Ivanov, J. López-Bonilla,
Gayana Botánica (Chile) 73, No.1 (2016) 132-149
490. On two invariants of the Weyl tensor,
J. López-Bonilla, G. Ovando, H. Torres-Silva,
Prespacetime Journal 7, No.2 (2016) 278-280
491. GHP formalism and Brans-Edgar equations,
J. López-Bonilla, G. Ovando, H. Torres-Silva,
Prespacetime Journal 7, No.2 (2016) 281-284
492. Weyl's theory under chiral approach,
H. Torres-Silva, J. López-Bonilla, R. López-Vázquez,
Prespacetime Journal 7, No.2 (2016) 360-366
493. Low-frequency magnetic field effect on SAR in a children head,
H. Torres-Silva, D. Torres-Cabezas, C. Hernández-Aguilar, J. López-Bonilla,
Transactions on Mathematics 2, No.1 (2016) 27-40
494. Algebraic classification of the Weyl tensor,
V. Barrera-Figueroa, J. López-Bonilla, R. López-Vázquez, S. Vidal-Beltrán,
Prespacetime Journal 7, No.3 (2016) 445-455

495. On the Horndeski's formula for the Lanczos invariant,
H. N. Núñez-Yépez, J. López-Bonilla, A. Salas-Brito,
Prespacetime Journal 7, No.3 (2016) 509-511
496. Heisenberg group and Mannheim curves,
E. Turhan, T. Körpınar, H. N. Núñez-Yépez, J. López-Bonilla,
Prespacetime Journal 7, No.3 (2016) 630-635
497. On the exponential function of an antisymmetric matrix in three dimensions,
Gyan Bahadur Thapa, J. López-Bonilla, H. Torres-Silva,
Transactions on Mathematics 2, No.3 (2016) 81-85
498. Quark internal structure: Could $3/10$ be the new elementary charge unity?
A. Souza de Assis, H. Torres-Silva, S. Fayad-Filho, J. López-Bonilla,
Transactions on Mathematics 2, No.3 (2016) 55-58
499. Eigenvalue problem for the Petrov and Ruse matrices,
A. Iturri-Hinojosa, J. López-Bonilla, A. Zaldívar-Sandoval,
Prespacetime Journal 7, No.5 (2016) 777-779
500. Wünsch's vectors and Lanczos potential,
J. López-Bonilla, I. Miranda-Sánchez, D. Romero-Jiménez,
Prespacetime Journal 7, No.5 (2016) 780-782
501. Number-phase quantization for the Bohr atom,
H. Torres-Silva, A. Souza de Assis, G. Leija-Hernández, J. López-Bonilla,
Prespacetime Journal 7, No.5 (2016) 800-805
502. Integrate by differentiating and the Post-Widder's formula for the inverse
Laplace transform,
J. López-Bonilla, O. Puente-Navarrete, V. M. Salazar del Moral,
Transactions on Mathematics 2, No.4 (2016) 33-34
503. Laplace transform and the error function,
J. López-Bonilla, R. López-Vázquez, O. Puente-Navarrete,
Prespacetime Journal 7, No.8 (2016) 1214-1216
504. Petrov types and their canonical tetrads,
J. López-Bonilla, R. López-Vázquez, J. Morales, G. Ovando,
Prespacetime Journal 7, No.8 (2016) 1176-1186
505. Non-local constitutive relations with hidden parameter for the vector potential in
Maxwell equations,
H. Torres-Silva, A. Iturri-Hinojosa, C. G. León-Vega, J. López-Bonilla,
Prespacetime Journal 7, No.8 (2016) 1131-1142

506. Variation of parameters method via the Riccati equation,
J. López-Bonilla, D. Romero-Jiménez, A. Zaldívar-Sandoval,
Prespacetime Journal 7, No.8 (2016) 1217-1219
507. On the recursive formulation of tau method proposed by Issa-Adeniyi,
R. Cruz-Santiago, C. Hernández-Aguilar, J. López-Bonilla,
Prespacetime Journal 7, No.8 (2016) 1200-1204
508. Aharonov-Bohm effect under self-duality condition of electromagnetic field,
H. Torres-Silva, A. Domínguez-Pacheco, J. López-Bonilla, R. López-Vázquez,
Prespacetime Journal 7, No.8 (2016) 1143-1149
509. Cartan-Debever-Penrose principal directions,
J. López-Bonilla, R. López-Vázquez, H. Torres-Silva,
Prespacetime Journal 7, No.8 (2016) 1194-1199
510. Comparison of LMS and RLS adaptive algorithms on rectangular microstrip array for
IEEE 802.11 G/N applications,
A. Iturri-Hinojosa, C. G. León-Vega, J. López-Bonilla,
Open J. of Technology & Engineering Disciplines 2, No.2 (2016) 53-62
511. Design and analysis of adaptive planar microstrip array using LMS algorithm,
G. Leija-Hernández, A. Iturri H., J. López-Bonilla,
Open J. of Technology & Engineering Disciplines 2, No.2 (2016) 63-70
512. Use of Lanczos method in radical pair dynamics,
J. J. Godina-Nava, G. Torres-Vega, E. López-Sandoval, A. R. Samana, J. López B.
Open J. of Applied & Theoretical Mathematics 2, No.2 (2016) 6-33
513. Orthogonal derivative via integration by differentiation,
J. López-Bonilla, G. Sánchez-Meléndez, D. Vázquez-Álvarez,
Open J. Appl. Theor. Maths. 2, No.2 (2016) 34-36
514. Lagrangians of Cawley, Sundermeyer, and Di Stefano,
G. Leija-Hernández, J. López-Bonilla, A. L. Salas-Brito,
J. of Ramanujan Society of Math. & Math. Sc. 5, No.1 (2016) 33-38
515. Integration by differentiation,
Laurian Ioan Piscoran, J. López-Bonilla, H. Torres-Silva,
J. of Ramanujan Society of Math. & Math. Sc. 5, No.1 (2016) 91-94
516. Some applications of the Newman-Penrose formalism,
J. López-Bonilla, R. López-Vázquez, J. Morales, G. Ovando,
Prespacetime Journal 7, No.9 (2016) 1259-1266

517. Kinnersley's metrics,
J. López-Bonilla, R. López-Vázquez, J. Morales, G. Ovando,
Prespacetime Journal 7, No.9 (2016) 1267-1274
518. On a recent formula to determine the physical degree of freedom count,
P. Lam-Estrada, J. López-Bonilla, R. López-Vázquez, M. R. Maldonado-Ramírez,
Prespacetime Journal 7, No.9 (2016) 1306-1312
519. On the Borwein-Choi-Pigulla identity,
J. López-Bonilla, V. M. Salazar del Moral,
Open J. Appl. & Theor. Maths. 2, No.3 (2016) 6-7
520. Enhanced absorption in children brain under microwave fields,
H. Torres-Silva, D. Torres-Cabezas, A. Iturri-Hinojosa, J. López-Bonilla,
Open Journal of Biomedical & Life Sciences 2, No.2 (2016) 1-7
521. On the associated polynomials of Chebyshev,
V. Barrera-Figueroa, R. Cruz-Santiago, J. López-Bonilla,
Transactions on Mathematics (India) 2, No.3 (2016) 92-94
522. Polarized spatial soliton in a chiral optical fiber,
H. Torres-Silva, A. Iturri H., J. López-Bonilla,
Prespacetime Journal 7, No.10 (2016) 1369-1372
523. Aharonov-Bohm effect with a chiral gauge transformation,
H. Torres-Silva, J. López-Bonilla, R. López-Vázquez,
Prespacetime Journal 7, No.10 (2016) 1373-1378
524. On the physical degree freedom count in terms of Lagrangians parameters,
V. Barrera F., A. Iturri-Hinojosa, J. López-Bonilla,
Prespacetime Journal 7, No.10 (2016) 1404-1407
525. On the Bailey-Borwein-Plouffe formula for π ,
V. Barrera F., J. López-Bonilla, R. López-Vázquez,
Prespacetime Journal 7, No.10 (2016) 1408-1410
526. FDTD approach for a magneto-chiral head from smart phone at high microwaves,
H. Torres-Silva, D. Torres-Cabezas, J. López-Bonilla, S. Vidal-Beltrán,
Open J. of Technology & Engineering Disciplines 2, No.3 (2016) 51-59
527. Singular factorization of an arbitrary matrix,
Gyan Bahadur Thapa, P. Lam-Estrada, J. López-Bonilla,
J. of the Institute of Engineering (Nepal) 12, No.1 (2016) 77-86

528. A short note on hypergeometric expression of $\log(1+z) + \sum_{k=1}^{n-1} \frac{(-z)^k}{k}$,
 J. López-Bonilla, V. M. Salazar del Moral,
 J. of the Institute of Engineering 12, No.1 (2016) 127-128
529. Systemic integration of spatial knowledge in business,
 A. Iturri H., C. B. León-Vega, J. López-Bonilla, H. Torres-Silva,
 Open J. of Advances in Business & Management 1, No.2 (2016) 8-19
530. Hidden constitutive relations of chiral media,
 H. Torres-Silva, D. Torres-Cabezas, J. López-Bonilla,
 Open J. Appl. & Theor. Maths. 2, No.3 (2016) 27-32
531. Hypergeometric version of some expressions for π ,
 V. Barrera-Figueroa, Ingri Guerrero-Moreno, J. López-Bonilla,
 Transactions on Mathematics 2, No.4 (2016) 35-37
532. Hypergeometric form of the k -Fibonacci numbers,
 P. Lam-Estrada, Sofía Yáñez-San Agustín, J. López-Bonilla,
 Prespacetime Journal 7, No.11 (2016) 1558-1560
533. Double integrals and Riemann zeta function,
 V. Barrera F., J. López-Bonilla, R. López-Vázquez,
 Prespacetime Journal 7, No.11 (2016) 1552-1554
534. On the matrix elements for the Morse interaction,
 V. Barrera F., I. Guerrero-Moreno, J. López-Bonilla,
 Prespacetime Journal 7, No.11 (2016) 1555-1557
535. Alfvén waves in electrically confined monopole plasma,
 A. Souza de Assis, H. Torres-Silva, C. A. de Azevedo, J. López-Bonilla,
 Prespacetime Journal 7, No.11 (2016) 1561-1656
536. Werner Heisenberg,
 J. López-Bonilla,
 WISE Journal 5, No.2 (2016) 90-92
537. Charge discreteness in LC quantum circuit,
 H. Torres-Silva, D. Torres-Cabezas, J. López-Bonilla,
 Open J. of Technology & Engineering Disciplines 2, No.3 (2016) 1-6
538. Number of physical degrees of freedom in constrained systems,
 J. López-Bonilla, H. Torres-Silva, S. Vidal-Beltrán,
 Open J. Tech. & Eng. Disciplines 2, No.3 (2016) 46-50

539. Coronal photon mass: The problem of the coronal heating anomaly,
A. Souza de Assis, H. Torres-Silva, J. López-Bonilla,
Transactions on Mathematics 2, No.4 (2016) 5-12
540. General solution of equation $\alpha + \omega_0^2 \sin(\alpha) = 0$,
H. Torres-Silva, D. Torres-Cabezas, I. Guerrero-Moreno, J. López-Bonilla,
Transactions on Mathematics 2, No.4 (2016) 21-25
541. Quantization of the energy spectrum of mesoscopic circuit,
H. Torres S., A. Souza de Assis, A. Iturri-Hinojosa, J. López-Bonilla,
Transactions on Mathematics 2, No.4 (2016) 1-3
542. On the Fourier transform for a vector field,
V. Barrera F., J. López-Bonilla, R. López-Vázquez, H. Torres S.,
Transactions on Mathematics 2, No.4 (2016) 26-32
543. On the Guo-Qi formula involving Bernoulli and Stirling numbers,
Sofía Yáñez-San Agustín, J. López-Bonilla, A. Zaldívar-Sandoval,
Prespacetime Journal 7, No.12 (2016) 1672-1673
544. On some expressions for $\zeta(k)$, $k = 2, 3, 4$,
V. Barrera F., R. Cruz-Santiago, J. López-Bonilla,
Prespacetime Journal 7, No.12 (2016) 1674-1676
545. On the particular solution of $py'' + qy' + ry = \Phi$,
V. Barrera F., J. López-Bonilla, R. López-Vázquez,
Prespacetime Journal 7, No.12 (2016) 1677-1679
546. Lanczos spinor for type D empty spacetimes,
J. López-Bonilla, R. López-Vázquez, J. Morales, G. Ovando,
Prespacetime Journal 7, No.13 (2016) 1729-1731
547. Ignorable variables and constants of motion,
I. Guerrero-Moreno, J. López-Bonilla, R. López-Vázquez,
Prespacetime Journal 7, No.13 (2016) 1789-1792
548. Homogeneous linear differential equation of second order,
Sofía Yáñez-San Agustín, J. López-Bonilla, S. Vidal-Beltrán,
Prespacetime Journal 7, No.13 (2016) 1786-1788
549. On the Saha's generating function for the Hermite polynomials,
Gabriela Posadas-Durán, J. López-Bonilla,
Prespacetime Journal 7, No.13 (2016) 1805-1806

550. Formula for ${}_3F_2(-2n, \alpha, \lambda + 2; 2\alpha + 2, \lambda; 2)$,
S. Álvarez-Ballesteros, J. López-Bonilla, O. Salas-Torres,
Prespacetime Journal 7, No.15 (2016) 1988-1991
551. Spin coefficients and Lanczos spinor,
V. Barrera-Figueroa, J. López-Bonilla, R. López-Vázquez,
Prespacetime Journal 7, No.15 (2016) 1908-1911
552. On a hypergeometric formula for orthogonal polynomials,
R. Cruz-Santiago, J. López-Bonilla, H. Torres-Silva,
Prespacetime Journal 7, No.15 (2016) 2023-2026
553. On the S. B. Edgar identity in four dimensions,
G. Leija-Hernández, J. López-Bonilla, H. Torres-Silva,
Prespacetime Journal 7, No.15 (2016) 1971-1973
554. Spacetime with a constant spinor field,
J. López-Bonilla, R. López-Vázquez, H. Torres-Silva,
Prespacetime Journal 7, No.16 (2016) 2120-2122
555. A note on R_4 of class one,
S. Álvarez-Ballesteros, R. Cruz-Santiago, J. López-Bonilla,
Prespacetime Journal 7, No.16 (2016) 2057-2058
556. A potential for the Lanczos spinor in arbitrary spacetimes of Petrov types III, N,
and O,
V. Barrera-Figueroa, J. López-Bonilla, R. López-Vázquez,
Prespacetime Journal 7, No.16 (2016) 2059-2061
557. On the exponential operators,
A. Iturri-Hinojosa, J. López-Bonilla, J. Morales,
Prespacetime Journal 7, No.16 (2016) 2128-2131
558. Position-dependent mass Schrödinger equation for the Morse potential,
J. Morales, G. Ovando, J. J. Peña, J. López-Bonilla,
Congreso Internacional de Ingeniería Física,
Universidad Autónoma de Yucatán, Mérida, México, 7-11 Nov. 2016
J. of Phys: Conf. Series 792 (2017) 012037
559. Mathieu equation on chiral membrane activated by electromagnetic field,
H. Torres-Silva, D. Torres-Cabezas, J. López-Bonilla,
Transactions on Mathematics 3, No.1 (2017) 6-12
560. Super optical chirality and its interaction with matter,
H. Torres-Silva, A. Iturri-Hinojosa, J. López-Bonilla,
Transactions on Mathematics 3, No.1 (2017) 17-22

561. Intrinsic sufficient conditions for the embedding of R_4 into E_5 ,
J. López-Bonilla, J. Morales, G. Ovando,
Prespacetime Journal 8, No.1 (2017) 40-42
562. Laplace transform of Laguerre associated polynomials,
V. Barrera-Figueroa, I. Guerrero-Moreno, J. López-Bonilla,
Prespacetime Journal 8, No.1 (2017) 80-83
563. An inequality for the Fejér-Lanczos factors,
G. Leija-Hernández, J. López-Bonilla,
Prespacetime Journal 8, No.1 (2017) 87-89
564. On some identities for $\zeta(2)$ and the harmonic numbers,
V. Barrera-Figueroa, J. López-Bonilla, R. López-Vázquez,
Prespacetime Journal 8, No.1 (2017) 84-86
565. Wave equation for the Lanczos spintensor,
S. Álvarez-Ballesteros, R. Cruz-Santiago, J. López-Bonilla,
Prespacetime Journal 8, No.1 (2017) 18-20
566. A note on the Song's identity for $\zeta(2n)$,
J. López-Bonilla, V. Ortiz-Cadena,
Prespacetime Journal 8, No.1 (2017) 90-92
567. Cohen's formula applied to Laplace-Chebyshev-Hermite polynomials,
S. Álvarez-Ballesteros, J. López-Bonilla, H. Torres-Silva,
Prespacetime Journal 8, No.1 (2017) 93-95
568. Diseño de una antena bocina-lente Radant con escaneo electrónico de haz
para la banda Ka,
A. Iturri-Hinojosa, A. E. Martynyuk, J. López-Bonilla,
Nova Scientia 9, No.18 (2017) 94-117
569. Parametric instability in Mathieu equation in earthquake dynamics,
H. Torres-Silva, D. Torres-Cabezas, A. Iturri-Hinojosa, J. López-Bonilla,
The Himalayan Physics (Nepal) 6-7 (2017) 73-75
570. Lanczos spinor for arbitrary gravitational fields of Petrov types O, N, and III,
A. Iturri-Hinojosa, J. López-Bonilla, R. López-Vázquez, O. Salas-Torres,
BAOJ Physics (USA) 2, No.1 (2017) 1-2
571. Bernoulli and Stirling numbers,
A. Iturri-Hinojosa, J. López-Bonilla, R. López-Vázquez, O. Salas-Torres,
BAOJ Physics 2, No.1 (2017) 3-5

572. Einstein equation with electromagnetic zilch,
H. Torres-Silva, I. Guerrero-Moreno, J. López-Bonilla,
BAOJ Physics 2, No.2 (2017) 1-5
573. On some identities for the Faulhaber-Bernoulli numbers,
J. López-Bonilla, R. López-Vázquez, S. Vidal-Beltrán,
Prespacetime Journal 8, No.2 (2017) 223-225
574. Variational principle for $py'' + qy' + ry = \Phi$,
J. López-Bonilla, G. Posadas-Durán, O. Salas-Torres,
Prespacetime Journal 8, No.2 (2017) 226-228
575. Worpitzky-Saalschütz identities for Bernoulli numbers,
J. López-Bonilla, R. López-Vázquez, V. M. Salazar del Moral,
Prespacetime Journal 8, No.2 (2017) 229-232
576. On the complex Weyl tensor,
J. López-Bonilla, R. López-Vázquez, O. Salas-Torres,
Prespacetime Journal 8, No.2 (2017) 174-175
577. Differentiability of the Riemann function via Fejér-Lanczos factors,
V. Barrera-Figueroa, J. López-Bonilla, H. Torres-Silva,
Prespacetime Journal 8, No.2 (2017) 217-219
578. Four-dimensional tensor identities,
J. López-Bonilla, G. Posadas-Durán, H. Torres-Silva,
Prespacetime Journal 8, No.2 (2017) 214-216
579. On the Kellner's formula for Bernoulli numbers,
A. Iturri-Hinojosa, J. López-Bonilla, S. Vidal-Beltrán,
Prespacetime Journal 8, No.2 (2017) 220-222
580. Harmonic numbers in terms of Stirling numbers of the second kind,
J. López-Bonilla, R. López-Vázquez,
Prespacetime Journal 8, No.2 (2017) 233-234
581. Lewis constant in the Ermakov-Milne-Pinney equation,
S. Álvarez-Ballesteros, J. López-Bonilla,
Open J. of Applied & Theoretical Mathematics (OJATM) 3, No.1 (2017) 1-3
582. Relationship between the shifted Legendre and Daubechies polynomials,
B. E. Carvajal-Gómez, F. J. Gallegos-Funes, J. López-Bonilla,
OJATM 3, No.1 (2017) 8-12
583. On the Cloitre formula involving harmonic numbers and the shifted factorial,
J. Delgado-Pérez, J. López-Bonilla, A. Zaldívar-Sandoval,
Prespacetime Journal 8, No.4 (2017) 490-492

584. Generator of the Lanczos spinor in type D vacuum spacetimes,
A. Iturri-Hinojosa, J. López-Bonilla, G. Ovando,
Prespacetime Journal 8, No.4 (2017) 415-417
585. On harmonic numbers,
B. E. Carvajal-Gómez, J. López-Bonilla, R. López-Vázquez,
Prespacetime Journal 8, No.4 (2017) 484-489
586. A note on the Laguerre polynomials,
S. Yáñez-San Agustín, R. Cruz-Santiago, J. López-Bonilla,
Prespacetime Journal 8, No.4 (2017) 511-512
587. On the Fejér and Dirichlet kernels,
I. Guerrero-Moreno, J. López-Bonilla, A. Zaldívar-Sandoval,
Prespacetime Journal 8, No.4 (2017) 493-500
588. Modelo de propagación simplificado para LTE en la frecuencia de 2.1 GHz,
S. Vidal-Beltrán, E. A. Degollado-Rea, J. López-Bonilla,
Nova Scientia 9, No.19 (2017) 83-96
589. Systemic construction of a space launching base in Mexico,
C. G. León-Vega, R. Carbajal-Valdez, J. López-Bonilla,
Proc. 61th Annual Meeting of Int. Soc. for the Systems Sciences,
Univ. of Economics and Business, 09-14 July 2017, Vienna, Austria.
590. On Stirling numbers of the second kind,
V. Barrera-Figueroa, J. López-Bonilla, R. López-Vázquez,
Prespacetime Journal 8, No.5 (2017) 572-574
591. C and Siklos geometries embedded into E_8 ,
J. López-Bonilla, H. Torres-Silva, S. Vidal-Beltrán,
Prespacetime Journal 8, No.5 (2017) 569-571
592. Embedding of R_n into E_{n+1} ,
C. Hernández-Aguilar, A. Domínguez-Pacheco, J. López-Bonilla,
Prespacetime Journal 8, No.5 (2017) 533-536
593. Andersson-Edgar's potential for the Lanczos spinor,
J. López-Bonilla, R. López-Vázquez, J. Morales, G. Ovando,
Prespacetime Journal 8, No.5 (2017) 555-558
594. On the Sondow's formula for π ,
J. López-Bonilla, G. Posadas-Durán,
Prespacetime Journal 8, No.5 (2017) 575-576

595. Gauss-Codazzi equations in the Newman-Penrose formalism,
C. Hernández-Aguilar, A. Domínguez-Pacheco, J. López-Bonilla, S. Vidal-Beltrán,
Prespacetime Journal 8, No.5 (2017) 537-541
596. Transmission line as a possible model of charge migration in a chain of DNA
molecules under radiation,
H. Torres-Silva, A. Iturri-Hinojosa, J. López-Bonilla,
BAOJ Physics 2, No.3 (2017) 1-5
597. Superpotential for the Lanczos spintensor in arbitrary type D empty spacetimes,
I. Guerrero-Moreno, J. López-Bonilla, D. Morales-Cruz,
Transactions on Mathematics 3, No.3 (2017) 1-3
598. Bidimensional transmission line acting as metamaterial system,
H. Torres-Silva, D. Torres-Cabezas, J. López-Bonilla,
Transactions on Mathematics 3, No.3 (2017) 4-11
599. Lanczos orthogonal derivative for higher orders,
R. Cruz-Santiago, J. López-Bonilla, H. Torres-Silva,
Transactions on Mathematics 3, No.3 (2017) 12-14
600. A generalization of Bernoulli's differential equation,
P. Lam-Estrada, J. López-Bonilla, Sofía Yáñez-San Agustín,
Transactions on Mathematics 3, No.3 (2017) 24-32
601. The type III vacuum spacetime does not accept embedding into E_6 ,
V. Barrera-Figueroa, J. López-Bonilla, R. López-Vázquez,
Asia Mathematika 1, No.1 (2017) 42-55
602. Comments on some identities of Muthumalai, Vassilev, and Shirai-Sato,
J. López-Bonilla, J. Yaljá Montiel-Pérez, A. Zaldívar-Sandoval,
BAOJ Physics 2, No.4 (2017) 1-2
603. On the Melzak and Wilf identities,
J. López-Bonilla, J. Yaljá Montiel-Pérez, S. Vidal-Beltrán,
J. of Middle East and North Africa Sciences 3, No.11 (2017) 1-3
604. Lanczos spintensor in terms of the Weyl tensor in Gödel geometry,
P. Lam-Estrada, I. Guerrero-Moreno, J. López-Bonilla,
Int. J. of Hydra Research Group 1, No.1 (2017) 40-41
605. Roman's identity for Bernoulli polynomials and Stirling numbers,
J. López-Bonilla, R. López-Vázquez, O. Puente-Navarrete,
Int. J. of Hydra Research Group 1, No.1 (2017) 42-43

606. Harmonic, Stirling and Bernoulli numbers,
A. Iturri-Hinojosa, J. López-Bonilla, R. López-Vázquez,
Prespacetime Journal 8, No.9 (2017) 1173-1175
607. On the Amdeberhan's combinatorial identity,
J. López-Bonilla, C. G. León-Vega, S. Vidal-Beltrán,
Prespacetime Journal 8, No.9 (2017) 1176-1177
608. On the Almkvist and Prodinger formulae,
C. G. León-Vega, J. López-Bonilla, J. Yaljá Montiel-Pérez,
Prespacetime Journal 8, No.9 (2017) 1178-1181
609. An identity for Stirling numbers of the second kind,
J. López-Bonilla, B. Man Tuladhar, O. Salas-Torres,
Kathmandu Univ. J. of Science, Engineering & Technology 13, No.1 (2017) 95-97
610. Modelo sistémico para el desarrollo tecnológico espacial,
C. G. León-Vega, C. León-Puertos, J. López-Bonilla,
XI Congreso Intal. de Metodología de la Ciencia y de la Inv. para la Educación,
Asoc. Mex. de Metodología de la Ciencia y de la Inv. (AMMCI),
Campeche, México, 25-27 Oct. 2017
611. On the general solution of 2th order linear differential equation,
J. López-Bonilla, G. Posadas-Durán, O. Salas-Torres,
Borneo J. Sci. & Tech. 38, No.2 (2017) 38-40
612. On the roots of the Legendre, Laguerre, and Hermite polynomials,
S. Álvarez-Ballesteros, J. López-Bonilla, R. López-Vázquez,
Borneo J. Sci. & Tech. 38, No.2 (2017) 41-45
613. Murphy's combinatorial identity,
V. Barrera-Figueroa, J. López-Bonilla, R. López-Vázquez,
Prespacetime Journal 8, No.10 (2017) 1249-1250
614. On some identities for the Laguerre polynomials,
J. López-Bonilla, R. López-Vázquez, V. M. Salazar del Moral,
Prespacetime Journal 8, No.10 (2017) 1251-1254
615. Some identities for harmonic numbers,
J. López-Bonilla, R. López-Vázquez, A. Zúñiga-Segundo,
Open J. of Technology & Engineering Disciplines 3, No.3 (2017) 1-4
616. New binomial identities via Legendre polynomials,
I. Guerrero-Moreno, J. López-Bonilla, A. Zúñiga-Segundo,
Open J. of Applied & Theoretical Mathematics (OJATM) 3, No.3 (2017) 1-3

617. Noether's theorem and the linear differential equation of second order,
V. Barrera-Figueroa, R. Cruz-Santiago, J. López-Bonilla,
OJATM 3, No.3 (2017) 12-14
618. Lanczos generator in terms of the conformal tensor in Gödel geometry,
P. Lam E., I. Guerrero M., J. López-Bonilla,
OJATM 3, No.3 (2017) 4-7
619. Identities of Gould and Spivey,
V. Barrera-Figueroa, R. Cruz-Santiago, J. López-Bonilla,
Prespacetime Journal 8, No.12 (2017) 1357-1359
620. Non-local superpotential for the radiative part of the Liénard-Wiechert's
electromagnetic field,
V. Barrera-Figueroa, J. López-Bonilla, R. López-Vázquez,
Prespacetime Journal 8, No.12 (2017) 1360-1362
621. Superpotentials for the Lanczos tensor / spinor in Gödel geometry,
V. Barrera-Figueroa, J. López-Bonilla, R. López-Vázquez,
Prespacetime Journal 8, No.12 (2017) 1363-1366
622. On the series transformation formula of Boyadzhiev,
R. Cruz-Santiago, J. López-Bonilla, R. López-Vázquez,
Prespacetime Journal 8, No.12 (2017) 1367-1369
623. A note on the Lima's identity for $\zeta(2n)$,
R. Cruz-Santiago, J. López-Bonilla, R. López-Vázquez,
Prespacetime Journal 8, No.12 (2017) 1370-1372
624. Paule-Schneider's identities for harmonic numbers,
I. Guerrero-Moreno, J. López-Bonilla, R. López-Vázquez,
Prespacetime Journal 8, No.12 (2017) 1373-1376
625. On the Lanczos generator for arbitrary type D vacuum spacetimes,
A. Iturri-Hinojosa, J. López-Bonilla, S. Vidal-Beltrán,
Prespacetime Journal 8, No.12 (2017) 1377-1380
626. Churchill-Plebański and Petrov classifications for spacetimes of embedding class one,
J. López-Bonilla, H. N. Núñez-Yépez, A. L. Salas-Brito, S. Vidal-Beltrán,
Prespacetime Journal 8, No.12 (2017) 1381-1386
627. Complex Lanczos scalar,
J. López-Bonilla, R. López-Vázquez, Mohd Shadab,
Prespacetime Journal 8, No.12 (2017) 1387-1390

628. An identity involving Bell and Stirling numbers,
J. López-Bonilla, R. López-Vázquez, J. Yaljá Montiel-Pérez,
Prespacetime Journal 8, No.12 (2017) 1391-1393
629. Identities of Chang-Xu and Spivey,
J. López-Bonilla, J. Yaljá Montiel-Pérez, A. Zúñiga-Segundo,
Prespacetime Journal 8, No.12 (2017) 1394-1396
630. Identities for harmonic numbers, and binomial relations via Legendre polynomials,
J. López-Bonilla, R. López-Vázquez, B. Man Tuladhar,
Kathmandu Univ. J. of Science, Engineering & Technology 13, No.2 (2017) 92-97
631. A note on some applications of the Boyadzhiev's formula,
Gyan Bahadur Thapa, J. López-Bonilla, R. López-Vázquez,
J. of the Institute of Engineering (Nepal) 13, No.1 (2017) 155-157
632. On the Langer transformation,
J. López-Bonilla, J. Morales, G. Ovando,
Prespacetime Journal 9, No.1 (2018) 31-34
633. Spinor representation of the electromagnetic field,
J. López-Bonilla, B. Man Tuladhar,
World Scientific News (Poland) 95 (2018) 1-20
634. On the Moore-Penrose generalized inverse matrix,
G. Bahadur Thapa, P. Lam-Estrada, J. López-Bonilla,
World Scientific News 95 (2018) 100-110
635. Constraints and gauge relations in the Lagrangian formalism,
P. Lam-Estrada, J. López-Bonilla, R. López-Vázquez, S. Vidal-Beltrán,
World Scientific News 95 (2018) 215-223
636. The inverse matrix and eigenvalue problem via the Leverrier-Faddeev method,
A. Domínguez-Pacheco, J. López-Bonilla, S. Vidal-Beltrán,
Prespacetime Journal 9, No.2 (2018) 137-141
637. An elementary proof of the Kauers-Schneider's identity,
C. Hernández-Aguilar, J. López-Bonilla, R. López-Vázquez,
Prespacetime Journal 9, No.2 (2018) 142-143
639. Trace of the Laplace transform of $\exp(t \mathbf{A}_{n \times n})$,
J. López-Bonilla, R. López-Vázquez, S. Vidal-Beltrán,
Asia Mathematika 2, No.1 (2018) 1-4
638. On an identity of Spivey for Bell numbers,
J. López-Bonilla, B. Man Tuladhar, H. Torres-Silva,
Asia Mathematika 2, No.1 (2018) 17-19

640. Petersen-Varchenko's identity for Stirling numbers of the first kind,
C. G. León-Vega, J. López-Bonilla, S. Yáñez-San Agustín,
J. of the Institute of Engineering 14, No.1 (2018) 163-165
641. Newman-Penrose's formalism,
P. Lam-Estrada, J. López-Bonilla, R. López-Vázquez, S. Vidal-Beltrán,
World Scientific News 96 (2018) 1-12
642. Maxwell-Lorentz matrix,
J. David Pendleton, J. López-Bonilla, J. Yaljá Montiel-Pérez, S. Vidal-Beltrán,
World Scientific News 96 (2018) 59-82
643. The Lanczos method,
G. Leija-Hernández, J. López-Bonilla, R. López-Vázquez, S. Vidal-Beltrán,
World Scientific News 96 (2018) 208-216
644. Noether and matrix methods to construct local symmetries of Lagrangians,
P. Lam-Estrada, J. López-Bonilla, R. López-Vázquez, G. Ovando, S. Vidal-Beltrán,
World Scientific News 97 (2018)
645. Lanczos potential in terms of the Weyl tensor in type D vacuum 4-spaces,
J. López-Bonilla, R. López-Vázquez, S. Vidal-Beltrán,
Prespacetime Journal 9, No.4 (2018)
646. A note on the He-Ricci's identity,
J. López-Bonilla, G. Sánchez-Meléndez, D. Vázquez-Álvarez,
Prespacetime Journal 9, No.4 (2018)
647. On the Faddeev-Sominsky's algorithm,
J. López-Bonilla, H. Torres-Silva, S. Vidal-Beltrán,
648. A new Riemann-Liouville type fractional derivative operator and its application
in generating functions,
Mohd Shadab, M. Faisal Khan, J. López-Bonilla,
649. Stirling numbers and sums of powers of integers,
V. Barrera-Figueroa, J. López-Bonilla, R. López-Vázquez,
650. Full-rank factorization and Moore-Penrose's inverse,
J. López-Bonilla, R. López-Vázquez, S. Vidal-Beltrán,
651. On eigenvectors associated to a multiple eigenvalue,
R. Cruz-Santiago, J. López-Bonilla, S. Vidal-Beltrán,

652. Relativistic motion of classical charged particles in a uniform electromagnetic field,
J. H. Caltenco, J. López-Bonilla, S. Vidal-Beltrán.
World Scientific News 97 (2018)
653. On the Wannemacker's identity for Stirling numbers of the second kind,
I. Guerrero-Moreno, J. López-Bonilla, S. Vidal-Beltrán,
654. Real scalar wave functions,
V. Barrera-Figueroa, J. López-Bonilla, R. López-Vázquez,
655. Metamaterial bidimensional transmission line with charge discreteness,
H. Torres-Silva, D. Torres-Cabezas, J. López-Bonilla,
656. Mode conversion between S waves and P waves,
H. Torres-Silva, J. López-Bonilla, J. Yaljá Montiel-Pérez,
657. Proceso de investigación transdisciplinaria: Revisión de literatura,
C. Hernández-Aguilar, A. Domínguez-Pacheco, I. Peón-Escalante, J. López-Bonilla,
658. Sensitivity of load dispatch in an electric market of energy transactions using linear programming in AMPL,
N. D. Vega-Hernández, J. Robles-García, J. López-Bonilla,

