

# Bibliography

1. Davidović M., Davidović Lj., Srećković M.  
Time of arrival in the Wigner phase space formulation of quantum mechanics  
*Acta Physica Hungarica* **B 26** No. 3-4 (2006) 253-260, M22,  
DOI: 10.1556/APH.26.2006.3-4.5,  
"In 2007, APH A became part of European Physical Journal A and APH B became part of European Physical Journal D. (<http://link.springer.com/journal/12242>)",  
ISSN: 1434-6060 (print); 1434-6079 (web).
2. Davidović Ljubica, Arsenović Dušan, Davidović Milena, Davidović Dragomir  
Subtle inconsistencies in the straightforward definition of the logarithmic function of annihilation and creation operators and a way to avoid them  
*Journal of Physics A, Mathematical and Theoretical* (2009) 42(23), M21, IF 1.641,  
DOI: 10.1088/1751-8113/42/23/235302,  
ISSN: 1751-8113 (print); 1751-8121 (web).
3. Lj. Davidović, B. Sazdović  
Noncommutativity in weakly curved background by canonical methods  
*Physical Review D* **83** (2011) 066014, M21, IF 4.964,  
DOI: 10.1103/PhysRevD.83.066014,  
ISSN: 0031-899X (print) 1536-6065 (web).
4. Lj. Davidović, B. Sazdović  
Non-commutativity parameters depend not only on the effective coordinate but on its T-dual as well  
*Journal of High Energy Physics* **08** (2011) 112, M21, IF 6.049,  
DOI: 10.1007/JHEP08(2011)112,  
ISSN: 1126-6708 (print); 1029-8479 (web).
5. Andreev V. A., Davidović Dragomir M., Davidović Ljubica D., Davidović Milena D., Man'ko V. I., Man'ko M. A.  
A Transformational Property of the Husimi Function and Its Relation to the Wigner Function and Symplectic Tomograms  
*Theoretical and Mathematical Physics* **166** No. 3 (2011) 356-368, M23, IF 0.6,  
DOI: 10.1007/s11232-011-0028-8,  
ISSN: 0040-5779 (print), 1573-9333 (web).

6. Andreev V.A., Davidović Dragomir M., Davidović Ljubica D., Davidović Milena D.  
Relations between scaling-transformed Husimi functions, Wigner functions and symplectic tomograms describing corresponding physical states  
*Physica Scripta* **T143** (2011) 014003, M22, IF 1.204,  
DOI: 10.1088/0031-8949/2011/T143/014003,  
ISSN: 1402-4896 (print); 1402-4896 (web).
  
7. Lj. Davidović, B. Sazdović  
Curved Dp-brane in curved background by canonical methods  
*Sveske Fizičkih Nauka* **XXIV A A1** (2011) 179,  
M33,  
[www.mphys6.ipb.ac.rs/proceedings6/16-DavidovicSazdovic.pdf](http://www.mphys6.ipb.ac.rs/proceedings6/16-DavidovicSazdovic.pdf)  
ISBN:978-86-82441-30-4.
  
8. Lj. Davidović, B. Sazdović  
Non-geometric background arising in the solution of Neumann boundary conditions  
*The European Physical Journal* **C 72** No. 11 (2012) 2199, M21, IF 5.247,  
DOI: 10.1140/epjc/s10052-012-2199-3,  
ISSN: 1434-6044 (print), 1434-6052 (web).
  
9. Lj. Davidović, B. Nikolić, B. Sazdović  
Noncommutativity and T-Duality  
*Romanian Journal of Physics* **57** No. 5-6 (2012) 816-829, M23, IF 0.526,  
[www.nipne.ro/rjp/2012\\_57\\_5-6/0816-0829.pdf](http://www.nipne.ro/rjp/2012_57_5-6/0816-0829.pdf)  
ISSN: 1221-146X (print).
  
10. Lj. Davidović, B. Sazdović  
Nontrivial Kalb-Ramond field of the effective non-geometric background  
*Sveske Fizičkih Nauka* **XXVI A A1** (2013) 111-118,  
M33,  
[www.mphys7.ipb.ac.rs/proceedings7/14-DavidovicSazdovic-01.pdf](http://www.mphys7.ipb.ac.rs/proceedings7/14-DavidovicSazdovic-01.pdf)  
ISBN: 978-86-82441-38-0 .
  
11. Lj. Davidović, B. Sazdović  
T-duality in coordinate dependent background  
*Sveske Fizičkih Nauka* **XXVI A A1** (2013) 119-130,  
M33,  
[www.mphys7.ipb.ac.rs/proceedings7/15-DavidovicSazdovic-02.pdf](http://www.mphys7.ipb.ac.rs/proceedings7/15-DavidovicSazdovic-02.pdf)  
ISBN: 978-86-82441-38-0 .

12. Lj. Davidović, B. Sazdović  
T-duality in a weakly curved background  
*The European Physical Journal C* **74** No. 1 (2014) 2683, M21, IF 5.436,  
DOI: 10.1140/epjc/s10052-013-2683-4,  
ISSN: 1434-6044 (print), 1434-6052 (web).
13. Lj. Davidović, B. Nikolić, B. Sazdović  
Canonical approach to the closed string noncommutativity  
*The European Physical Journal C* **74** No. 1 (2014) 2734, M21, IF 5.436,  
DOI: 10.1140/epjc/s10052-014-2734-5,  
ISSN: 1434-6044 (print), 1434-6052 (web).
14. Lj. Davidović, B. Nikolić and B. Sazdović  
Compleat T-dualization of a String in a Weakly Curved Background  
*Springer Proceedings in Mathematics and Statistics* 111 (2014) 13-20, M33,  
DOI:978-4-431-55285-7 2,  
ISSN: 2194-1009.
15. Ljubica Davidović, Bojan Nikolić and Branislav Sazdović  
Canonical approach to the closed string non-commutativity  
FACTA UNIVERSITATIS (NIŠ) Physics, Chemistry and Technology **12**, No.2 ,  
Special Issue, (2014) 101–110,  
DOI: 10.2298/FUPCT1402101D.
16. V. A. Andreev, L. D. Davidović, Milena D. Davidović, Miloš D. Davidović, V. I. Manko, M. A. Manko  
Operator method for calculating Q symbols and their relation to Weyl-Wigner symbols and symplectic tomogram symbols  
*Theoretical and Mathematical Physics* **179** No. 2 (2014) 559-573, M22, IF 0.801,  
DOI: 10.1007/s11232-014-0162-1,  
ISSN: 0040-5779 (print), 1573-9333 (web).
17. Ljubica Davidović, Bojan Nikolić and Branislav Sazdović  
T-duality diagram for a weakly curved background  
*The European Physical Journal C* **75** (2015) no.12, 576, M21, IF 5.436,  
DOI: 10.1140/epjc/s10052-015-3808-8,  
ISSN: 1434-6044 (print), 1434-6052 (web).
18. Lj. Davidović, B. Nikolić and B. Sazdović  
Weakly curved background T-duals

*Sveske Fizičkih Nauka* **XXVIII A A1** (2015) 43-50, M33,  
[www.mphys8.ipb.ac.rs/proceedings8/Davidovic1.pdf](http://www.mphys8.ipb.ac.rs/proceedings8/Davidovic1.pdf)  
 ISBN: 978-86-82441-43-4.

19. Lj. Davidović, B. Nikolić and B. Sazdović  
 Closed string noncommutativity in the weakly curved background  
*Sveske Fizičkih Nauka* **XXVIII A A1** (2015) 51-58, M33,  
[www.mphys8.ipb.ac.rs/proceedings8/Davidovic2.pdf](http://www.mphys8.ipb.ac.rs/proceedings8/Davidovic2.pdf)  
 ISBN: 978-86-82441-43-4.
  
20. Lj. Davidović and B. Sazdović  
 T-dualization in a curved background in absence of a global symmetry  
*Journal of High Energy Physics* 1511 (2015) 119, M21, IF 6.220,  
 DOI: 10.1007/JHEP11(2015)119,  
 ISSN: 1126-6708 (print); 1029-8479 (web).
  
21. Andreev Vladimir A, Davidovic Milena D, Davidovic Ljubica D, Davidovic Milos D  
 and Davidovic Dragomir M  
 Derivation of the Husimi symbols without antinormal ordering, scale transformation  
 and uncertainty relations  
*Physica Scripta* **90**(2015) No.7 074023, M22 , IF 1.296,  
 DOI: 10.1088/0031-8949/90/7/074023,  
 ISSN: 1402-4896 (print), 1402-4896 (web).
  
22. Ljubica Davidović  
 Open string T-duality in a weakly curved background  
*The European Physical Journal C* **76** (2016) no.12, 660, M21, IF 5.331,  
 DOI: 10.1140/epjc/s10052-016-4524-8,  
 ISSN: 1434-6044 (print), 1434-6052 (web).
  
23. Andreev Vladimir A, Davidovic Dragomir M, Davidovic Ljubica D, Davidovic Mi-  
 lena D, Davidovic Milos D and Zotov Sergey D  
 Scaling Transform and Stretched States in Quantum Mechanics  
*Journal of Russian Laser Research* **37** (2016) No.5, 434-439, M23, IF 0.800,  
 DOI: 10.1007/s10946-016-9594-4,  
 ISSN: 1071-2836 (print), 1573-8760(web).
  
24. Andreev VA Davidovic Dragomir M Davidovic Ljubica D Davidovic Milena D and  
 Davidovic Milos D  
 Scale Transformations in Phase Space and Stretched States of a Harmonic Oscillator

*Theoretical and Mathematical Physics* **192** (2017) No.1, 1080-1096, M22 , IF 0.984,  
 DOI: 10.1134/S0040577917070091,  
 ISSN: 0040-5779 (print), 1573-9333 (web).

25. Lj. Davidović, B. Nikolić, B. Sazdović  
 T-dualization of a weakly curved background  
*Journal of Physics: Conference Series* **804** (2017) no.1, 012014, M33, IF 0.66,  
 DOI: 10.1088/1742-6596/804/1/012014,  
 ISSN:1742-6596.
26. Lj. Davidović and B. Sazdović  
 The T-dual symmetries of a bosonic string  
*The European Physical Journal C* **78** (2018) no.7, 600, M21, IF 5.331,  
 DOI: 10.1140/epjc/s10052-018-6076-6,  
 ISSN: 1434-6044 (print), 1434-6052 (web).
27. Ljubica Davidović and Branislav Sazdović  
 Symmetries of a bosonic string  
*Sveske Fizičkih Nauka XXXI A A1* (2018) 147-158, M33,  
[www.mphys9.ipb.ac.rs/proceedings9/Davidovic.pdf](http://www.mphys9.ipb.ac.rs/proceedings9/Davidovic.pdf) ISBN: 978-86-82441-48-9.
28. Ljubica Davidović and Branislav Sazdović  
 Effective theories of two T-dual theories are also T-dual  
*The European Physical Journal C* **79** (2019) 770, IF 5.172, M21,  
 DOI:10.1140/epjc/s10052-019-7266-6,  
 ISSN: 1434-6044 (print), 1434-6052 (web).
29. Vladimir A. Andreev, Milena D. Davidović, Ljubica D. Davidović, Miloš D. Davidović and Dragomir M. Davidović  
 Linear light amplifier and amplification of  $N$ -photon states  
*Journal of Russian Laser Research, Vol. 40, No. 4, July (2019)* 321, IF 0.777, M23,  
 DOI: 10.1007/s10946-019-09807-2,  
 ISSN: 1071-2836 (Print) 1573-8760 (Online).

## PhD thesis

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