Anthony Streklas

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Personal Information

- Born 16 October 1951

- 1975 B.C. Degree in Mathematics, University of Patras, Greece.

- 1980 Ph. D. Degree. University of Patras, Greece.
  Title of thesis: The ordering of the operators in Quantum Mechanics. Supervisor Asterios Jannussis.

Professional Employment

- 1975 - 80 Post Graduate Researcher, Department of Mathematics, University of Patras, Greece.

- 1982 - 88 : Lecturer, Department of Mathematics, University of Patras, Greece.

- 1988 - —-: Assistant Professor, Department of Mathematics, University of Patras.

Research Interests

- Quantum Mechanics.

- Open Quantum Systems and Quantum Friction.

- Particle Physics on Noncommutative Space

- Functional Analysis and Operator Theory.

Books

- Classical Mechanics. A. Streklas. Publ. University of Patras 2000 *www.math.upatras.gr/~streklas/public_html/syxroni.pdf*

- Quantum Mechanics. A.Streklas. Publ. University of Patras 2005 *www.math.upatras.gr/~streklas/public_html/quant.pdf*

Selected Publications

www.math.upatras.gr/~streklas/public_html/dimos.htm

1. **Noncommutative Quantum Mechanics in time - dependent backgrounds. A. Streklas.** Theoretical Conscepts of Quantum Mechanics. InTech. 2012. pp 187 - 204

2. **Quantum damped harmonic oscillator on non - commuting plane. A. Streklas.** physica A 385 (2007) pp 124 - 136.

3. **Harmonic Oscillator in non Commuting two Dimensional Space. A. Streklas.** Int . J. of Mod. Phys. B, Vol.21, No.33 (2007) pp 5363 - 5380.

4. **Deformed Harmonic Oscillator for Non-Hermitian Operator and the Behavior of pt and CPT Symmetries.** A. Jannussis, K. Vlachos, V. Papatheou, **A. Streklas.** Int. J. of Mod. Phys. B, Vol. 20,16 (2006) pp2313 - 2322.

5. **Quantum deformed problem of electrons in the Dirac theory.** A. Jannussus, V. Papatheou, **A. Streklas,** K. Vlachos. Handbooks. Treatises. Monographs. Lagrange and Hamilton Geometries and their Application. Ed: Radu Miron . 49 (2004) pp 133 - 143.

6. **Bolttzmann Statistics of Quantum Friction.** M. Mijatovic, A.Jannussis and **A. Streklas.** Physics Letters, V. 122, 1 (1987) pp 31-35.

7. **Foundation of the Lie Admissible Fock Space of the Hadronic Mechanics.** A.Jannussis, G. Brodimas, D. Sourlas, **A. Streclas,** P. Siafaricas, L. Papaloucas and N. Tsangas. Hadronic Lournal 5, (1982), pp. 1923 -1947.

8. **Propagator with Friction in Quantum Mechanics.** A.Jannussis, G. Brodimas and **A. Streclas.** Physics Letters Vol. 74A, N.1,2 (1979) pp 6 - 10.

9. **Relativistic Wigner Operator and its Distribution.** A.Jannussis, **A. Streclas,** D.Sourlas and K. Vlachos. Lettere al Nuovo Cimento Vol.18, 11 (1977), pp. 349 - 351.