

# Anthony Strelas

## **Home**

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Department of Mathematics  
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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 - 13 : 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](http://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](http://www.math.upatras.gr/streklas/public_html/quant.pdf)

## Selected Publications (Total number 22)

[www.math.upatras.gr/streklas/public\\_html/dimos.htm](http://www.math.upatras.gr/streklas/public_html/dimos.htm)

1. **Noncommutative Quantum Mechanics in time - dependent backgrounds.** A. Streklas. Theoretical Concepts 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. Jannussis, 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. **Boltzmann 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. Streklas, P. Siafaricas, L. Papaloucas and N. Tsangas. *Hadronic Journal* 5, (1982), pp. 1923 -1947.
8. **Propagator with Friction in Quantum Mechanics.** A. Jannussis, G. Brodimas and A. Streklas. *Physics Letters* Vol. 74A, N.1,2 (1979) pp 6 - 10.
9. **Relativistic Wigner Operator and its Distribution.** A. Jannussis, A. Streklas, D. Sourlas and K. Vlachos. *Lettere al Nuovo Cimento* Vol.18, 11 (1977), pp. 349 - 351.