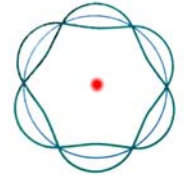


SEMINAR



Introduction to Quantum Physics

(Basics of Quantum Mechanics)



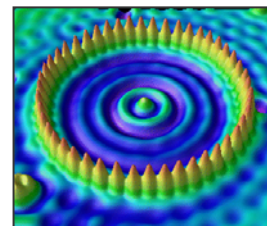
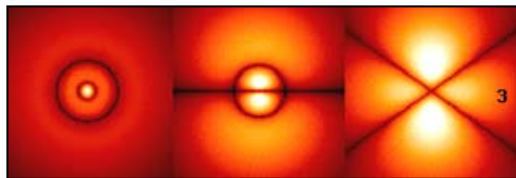
Lecturer: GRABOVSKY Sergey, Ph.D.

- In this class we will discuss the quantum theory – theory that describes the physics of microworld. The appearance of new modern physics after the end of classic one in 20-th century. The ideas of *Planck, Einstein, Rutherford and Bohr*. Quantization of the energy, quantum model of the matter, photon theory of the light. Atomic structure, electron *spin*.
- Analysis of fundamental physics effects and its quantum explanation. Description of classic experiments in quantum physics. Application of quantum physics in science and technology.

On each seminar computer presentation will given and educational materials for the students will be provided.

Main literature:

- Sear's and Zemansky's *University physics: with modern physics*. H.D.Young, R.A.Freedman. 2004



The class is for students of 1-4 grades.
Also this seminar may be useful for practice of scientific English.

Period:	From October 2011 till February 2012
Time:	Thursday (木), 18:30-20:00
Room:	Faculty of science bld.№2, room 2-4-05

First seminar will be held on 20-October 2011
Please send e-mail with your name before this date.

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