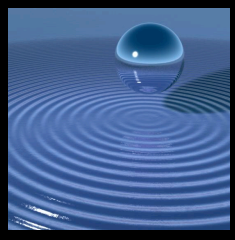
MATHQCI 2008 UCM/Madrid

March 11, 2008
UCM
Facultad de Matemáticas
Seminario 222
Avda. Complutense s/n,
Madrid

SIMUMAT A remarkable attempt to foster sinergies within the mathematical community and affine areas. Project financed by the Community of Madrid
w.ww.simumat.es

John von Neumann (1887-1956) Provided a rigorous framework for quantum mechanics. He also worked in game theory, studied what are now called von Neumann Algebras, and was one of the pioneers of computer science.



2008 i-Math Semester on "The Mathematiical Foundations of Quantum Control and Quantum Information Theory"
www.ucm.es.inforsef/qci/

XII Jornada SIMUMAT / XII SIMUMAT day

Mathematical Structures on Quantum Mechanics II

Programme:

10:00 A.P. Balachandran (Syracuse Univ.)

Quantum physics on fuzzy spaces

11:00 Coffee

11:30 G. Marmo (Univ. Naples)

GNS construction on geometric quantum mechanics

14:00 Lunch

15:30 A. Ibort (Univ. Carlos III de Madrid)

Optimal control of classical spin systems

16:15 R. Salmoni (Univ. Naples)

A time optimal synthesis for a two-level quantum system

17:00 J. Clemente-Gallardo (Univ. Zaragoza)

Towards quantum integrability

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