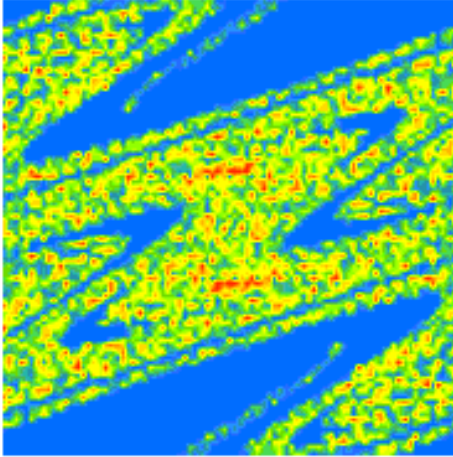


Classical Chaos and its Quantum Manifestations

Sputnik Conference of STATPHYS 20

In honor of Boris Chirikov

Toulouse, France • July 16 – 18, 1998



Organizers:

Jean Bellissard, Dima Shepelyansky

(Université Paul Sabatier/CNRS, Toulouse)

Scientific committee:

J. Bellissard (Toulouse)

O. Bohigas (Orsay)

G. Casati (Como)

D. Shepelyansky (Toulouse)

During the last decades the important mathematical progress in dynamical chaos has found applications in a broad range of physical systems. Recently, the manifestations of classical chaos have also become important in quantum systems due to a rapid technological progress in nanostructures and laser physics. The quantum and classical theory of chaos is developing rapidly with applications to Rydberg atoms in external fields, cold atoms, mesoscopic systems, plasma physics, accelerators and planetary motion. The aim of the conference is to invite specialists from different fields to discuss the modern problems of classical and quantum chaos. The conference is dedicated to the 70th birthday of Boris Chirikov who has contributed pioneering results in this area since 1959.

Invited speakers:

V.Akulin (Paris)

S.Aubry (Saclay)

E.Bogomolny (Orsay)

O.Bohigas (Orsay)

A.Buchleitner (Munich)

L.Bunimovich (Atlanta)

G.Casati (Como)

B.Chirikov (Novosibirsk)

S.Fishman (Haifa)

V.Flambaum (Sydney)

Y.Fyodorov (St. Petersburg)

T.Geisel (Göttingen)

I.Guarneri (Como)

F.Haake (Essen)

F.Izrailev (Novosibirsk)

P.Koch (Stony Brook)

J.Laskar (Paris)

A.Lichtenberg (Berkeley)

R.MacKay (Cambridge)

A.Pikovsky (Potsdam)

M.Raizen (Austin)

S.Ruffo (Florence)

T.Seligman (Cuernavaca)

E.Shuryak (Stony Brook)

Y.Sinai (Princeton)

A.D.Stone (Yale)

F.Vivaldi (London)

G.Zaslavsky (New York)

(participation confirmed)

A poster session will be organized for other participants.

Sponsors: CNRS, Université Paul Sabatier, Institut Universitaire de France, IRSAMC, Région Midi-Pyrénées, Physica D

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The registration fee is 400,- FF (special issue of Physica D and conference banquet included).