Spring Lecture Series N.17
Symplectic Topology (1992)

Principal Lecturer: Yakov Eliashberg, Stanford University

Contributions by:

D. Spring

Title: Perspective on convex integration theory

L. Traynor

Title: Symplectic mapping problem

Y-G Oh

Title: On a conjecture of V. Arnold and A. Givental

D. Fuchs

Title: On the stable Cohomology of the Lie algebra of Hamiltonian vector fields

D. McDuff

Title: Ruled symplectic surfaces

E. Gutkin

Title: Caustics for dual billiards

V. Ginzburg

Title: TBA

B. Totaro

Title: Topology of afine algebraic surfaces

A. Vaintrob

Title: Differential forms and supersymmetries

K. Luttinger

Title: TBA

R. Montgomery

Title: A symplectic problem from optimal control

B. Khesin

Title: Monodromy of integral operators on the circle

W. Klingenberg

Title: Normal forms for real surfaces in C^2

K. Ono

Title: Observation on string structure

Y. Karshon

Title: Image of the momentummap for pre-symplectic toric manifolds

B. Shapiro

Title: On the homotopy type of some frequently used discriminants

T. Kimura

Title: BRST cohomology and the reduction of Poisson manifolds

V. Osvienko

Title: Deformation of Poisson brackets and extensions of Lie algebras of contact vector fields

L. Bates

Title: Nonholonomic reduction and reconstruction

J. Wolfson

Title: TBA

S. Bates

Title: TBA