LMS Symposium on Bifurcation Theory and Applications: 22 July-1 August 1984

Lecture Titles

ANTMAN S.S.:	Applications of global multiparameter bifurcation theory (2)
ARROWSMITH D.K.:	The cusp singularity for vector fields and its application.
BROER H.:	On nonlinear oscillators with quasiperiodic forcing.
BRUCE J.W.:	Determinacy and unipotency.
BRÜLL L.:	Nonlinear boundary value problems with parameter dependent force.
BUDD C.J.:	Nonlinear elliptic equations.
CHOW S.-N.:	Existence and stability of periodic solutions of an integral equation.
DANCER N.:	Positive solutions of some systems of differential equations
DONNELLY R.J.:	Time-dependent stability problems in Couette flow and superfluidity.
DRAZIN P.:	Baroclinic amplitude vacillation.
ELGIN J.N.:	Effect of quantum fluctuations on the Lorenz attractor.
GIBBON J.D.:	The complex Lorenz equations in rotating fluids and nonlinea optics.
GIBBONS J.:	The Zabolotskaya-Khokhlov equation and Benney's hierarchy.
GILS S. van:	On a codimension two bifurcation with two pairs of imaginary eigenvalues.
GOLUBITSKY M.:	Hopf bifurcation with symmetries.
HALE J.K.:	1) Onset of chaos in delay equations. 2) Effect of diffusion on bifurcation and stability in parabolic equations.
HASTINGS S.:	Further solutions of the Falkner-Skan equation.
HOFER H.:	Periodic solution of prescribed minimal period for Hamiltonian systems.
HOLMES C.A.:	Numerical and analytic studies of a complex Duffing equation
KELLER H.B.:	1) Steady state and periodic solution paths: their bifurcation and computation. 2) Complex bifurcations from quadratic folds.
KIELHÖFER H.:	Eigenvalue perturbation and multiple eigenvalue bifurcation of stationary and periodic solutions.
KING G.P.:	Phase portraits from a time series: a singular system approach.
KIRCHGÄSSNER K.:	Two lectures.
KNOPS R.J.:	Existence of dynamical solutions at bifurcation, in linear elastodynamics.

KÜPPER T.: Characterizing solutions bifurcating from the continuous spectrum by nodal properties.

MacKAY R.S.: Transition to chaos from biperiodic flows.

MAGALHÃES L.T.: Invariant manifolds for functional differential equations close to ODEs.

MAGNUS R.J.: Non-Fredholm bifurcations and the method of trajectories.

MALLET-PARET J.: Hopf bifurcation and symmetry.

MARSDEN J.: Stability and chaos in dynamical systems, fluids and plasmas (2).

McLEOD J.B.: Nonlinear elliptic equations and critical Sobdev exponents.

MORA X.: On the Galerkin method in approximating the qualitative dynamics of a parabolic equation.

MOROZ I.M.: Double Hopf bifurcation and quasiperiodic flow in a model for baroclinic instability.

NAGATA M.: Bifurcations in plane parallel shear flows.

NORBURY J.F.: Bifurcation for semilinear elliptic p.d.e.'s.

PROCTOR M.R.E.: Low order systems modelling bifurcations in magneto convection.

RAND D.: Bifurcations from quasiperiodicity to chaos.

RATIU T.: Liapunov stability in fluid and plasma systems.

ROBERTS R.M.: On symmetry breaking bifurcations.

SAFFMAN P.G.: Bifurcation phenomena in water waves (2).

SATTINGER D.: Hamiltonian hierarchies on semi-simple Lie algebras.

SOLÀ-MORALES J.: Non-local instability effects of the essential spectrum.

SOWARD A.: Finite amplitude convection in a rotating layer.

VANDERBAUWHEDE A.: Bifurcation and symmetry-breaking in systems with O(2) x O(2)-symmetry.

VERHULST F.: Bifurcations of Hamiltonian systems.

WAN S.: The stability of vortex patches.

CHILLINGWORTH D.R.J.:
STUART J.T.: } Aims and methods in bifurcation theory.