

Contents

D. G. Aronson:

The Asymptotic Speed of Propagation of a Simple Epidemic	1
--	---

J. R. Cannon and R. E. Ewing:

Galerkin Procedures for Systems of Parabolic Partial Differential Equations Related to the Transmission of Nerve Impulses	24
---	----

E. D. Conway and J. A. Smoller:

Diffusion and the Classical Ecological Interactions: Asymptotics	53
---	----

J. W. Evans:

Transition Behavior at the Slow and Fast Impulses	70
---	----

P. C. Fife:

Stationary Patterns for Reaction-Diffusion Equations	81
--	----

D. Henry:

Gradient Flows Defined by Parabolic Equations	122
---	-----

N. J. Kopell:

Waves, Shocks and Target Patterns in an Oscillating Chemical Reagent	129
---	-----

R. M. Miura:

A Nonlinear WKB Method and Slowly-Modulated Oscillations in Nonlinear Diffusion Processes	155
--	-----

P. Nelson:

Subcriticality for Submultiplying Steady-State Neutron Diffusion	171
---	-----

J. Rinzel:

Repetitive Nerve Impulse Propagation: Numerical Results and Methods	186
--	-----

M. E. Schonbek:

Some Results on the FitzHugh-Nagumo Equations	213
---	-----

A. D. Snider and D. L. Akins:

Calculation of Transients for Some Nonlinear Diffusion Phenomena	218
---	-----

