This Week in Science

595 Brittle Books and Journals


Computers Amplify Black Monday
Gramm-Rudman-Hollings Strikes Back
Africa Begins to Face Up to AIDS
One AIDS Problem or Two?
Is the Time Ripe for Welfare Reform?
NASA Sets Shuttle Launch Dates, Investigates Main Engine Trouble
Merck Donates Drug for River Blindness

Chemistry in the Image of Biology
Structure of MHC Protein Solved
Receptors Highlighted at NIH Symposium ■ Receptor Gene Family Is Growing ■ Calcium Ions May Have Their Ups and Downs ■ New Role Proposed for α-Adrenergic Receptor

New Directions for Space Astronomy: R. A. Brown and R. Giacconi
Chernobyl: A Radiobiological Perspective: M. Goldman
Actin Polymerization and ATP Hydrolysis: E. D. Korn, M.-F. Carlier, D. Pantaloni

Sequence-Specific Cleavage of Double Helical DNA by Triple Helix Formation: H. E. Moser and P. B. Derbany
Even systems as simple as a periodically forced damped pendulum can have complex behavior. This computer-generated plot shows initial pendulum velocities (measured horizontally) and positions (measured vertically). Orbits starting at points in the red region eventually settle into one type of periodic motion, while orbits starting in the blue region yield a different type of periodic motion. The boundary between these regions is fractal. The lighter the shade of red or blue, the longer it takes to settle into the corresponding motion. See page 632. [Photo courtesy of C. Grebogi, E. Ott, and J. A. Yorke, University of Maryland, College Park, MD 20742]