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Surface displacement since the 1992 Landers, California, earthquake obtained by interferometric processing of ERS-1 satellite radar images. Maximum range displacement of ~5 cm (blue through red to green) is localized in step-overs of the 1992 surface break, from lower right to upper left. Such deformation may be caused by pore fluid flow as pore pressure gradients induced by the earthquake deformation dissipate. Image width is ~40 km. See page 1202 and the Perspective on imaging on page 1181. [Image: Courtesy of the Jet Propulsion Laboratory]

**REPORTS**

Phase and Morphology Changes in Lipid Monolayers Induced by SP-B Protein and Its Amino-Terminus Peptide

M. M. Lipp, K. Y. C. Lee, J. A. Zasadzinski, A. J. Waring

Attomole Protein Characterization by Capillary Electrophoresis-Mass Spectrometry

G. A. Valaskovic, N. L. Kelleher, F. W. McLafferty

Postseismic Rebound in Fault Step-Overs Caused by Pore Fluid Flow

G. Pelzer, P. Rosen, F. Rogez, K. Hudnut

The Metabolic Status of Some Late Cretaceous Dinosaurs


Enforcing Coherent Evolution in Dissipative Quantum Dynamics

J. I. Cirac, T. Pellizzari, P. Zoller

Flux Line Lattice Melting Transition in YBa$_2$Cu$_3$O$_{6.94}$ Observed in Specific Heat Experiments

M. Roulin, A. Junod, E. Walker

Allelic Diversity and Gene Genealogy at the Self-Incompatibility Locus in the Solanaceae

A. D. Richman, M. K. Uyenoyama, J. R. Kohn

Forskolin Stimulation of Water and Cation Permeability in Aquaporin1 Water Channels

A. J. Yool, W. D. Stamer, J. W. Regan

Luteinizing Hormone Deficiency and Female Infertility in Mice Lacking the Transcription Factor NGFI-A (Egr-1)


Identification of an Estrogen Response Element Activated by Metabolites of 17β-Estradiol and Raloxifene

N. N. Yang, M. Venugopalan, S. Hardikar, A. Glasebrook

Tourette Syndrome: Prediction of Phenotypic Variation in Monozygotic Twins by Caudate Nucleus D2 Receptor Binding


KUZ, a Conserved Metalloprotease-Disintegrin Protein with Two Roles in Drosophila Neurogenesis

J. Rook, D. Pan, T. Xu, G. M. Rubin

Modulation of Virulence Factor Expression by Pathogen Target Cell Contact

J. Pettersson, R. Nordfelt, E. Dubinina, T. Bergman, M. Gustafsson, K. E. Magnusson, H. Wolf-Watz

Induction of Gene Expression in Escherichia coli After Pilius-Mediated Adherence

J. P. Zhang and S. Normark

Pycnodysostosis, a Lysosomal Disease Caused by Cathepsin K Deficiency

B. D. Gelb, G.-P. Shi, H. A. Chapman, R. J. Desnick

A Protein Farnesyl Transferase Involved in Abscisic Acid Signal Transduction in Arabidopsis

S. Cutler, M. Ghassemian, D. Bonetta, S. Cooney, P. McCourt

**TECHNICAL COMMENTS**

CD2: An Exception to the Immunoglobulin Superfamily Concept?

S. J. Davis and P. A. van der Merwe; E. L. Reinhzer, J. Li, A. Smoylar, D. F. Wyss, M. H. Knoppers, K. J. Willis, A. R. N. Arulananandam, J. S. Choi, G. Wagner

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**On the Web**

Movie of a three-color solid-state 3D display by Downing et al.
