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Magnetic field intensity map at the surface of a thin-film niobium superconductor after a change in the external field. In the darker (gray) areas the field intensity remained frozen, but the lighter regions (light gray to purple to red) experienced increasing degrees of change. The regions of greatest change, according to theory, should have been at the edges of the sample (top and bottom). The photo was chosen from submissions from scientists chairing the 1995 Gordon Conferences. For information on this year’s Gordon Conferences, see page 716. [Photo: C. A. Duran, P. L. Gammel, R. E. Miller, and D. J. Bishop at AT&T Bell Laboratories]