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Cover

Defects in boron-implanted silicon after conventional thermal annealing as seen in a false color transmission electron micrograph. Defects in the form of dislocations, loops, and stacking faults are observed by the electron microscope at a magnification of about ×60,000 in the implanted, thermally annealed (at 1100°C for 30 minutes) specimens whereas no defects were observed after high-powered laser annealing of the ion-implanted specimens. The black-and-white negative of the micrograph was exposed through an amber filter to produce this color. See page 461. [J. Narayan, C. W. White, and R. T. Young, Solid State Division, Oak Ridge National Laboratory, Oak Ridge, Tennessee 37830]