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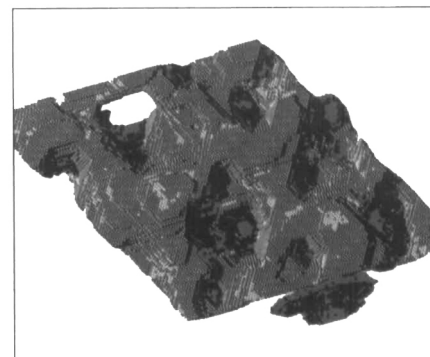
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ON THE COVER: Illustrated is the onset of porosity formation in a Kinetic Monte Carlo simulation of selective dissolution of silver (de-alloying) from a $\text{Ag}_{0.9}\text{Au}_{0.1}$ alloy. The skin of the 100 atom x 100 atom section is drawn as if there is a light source off to the side (thus the shaded [dark] areas and seeming transparency). One sees several general features that are characteristics of pore growth in real systems, including (1) creation of a fully three-dimensional porous network, (2) surface enrichment of the more noble metal (gold), and (3) the creation of nanofacets. Simulation results by J. Erlebachner and M.J. Aziz; for more on this subject see the article "Alloy Corrosion" on p. 24.

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