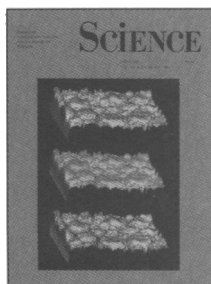


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COVER Computer-enhanced portrait of a foam surface in triplicate. False color and spatial filtering have been used to sharpen the appearance of bubbles and liquid walls observed in a commercial foam product consisting of water and surfactants. Even with digital enhancement, these optical images reveal bubble sizes and shapes only at the surface. To probe the structure and dynamics of bubbles inside the foam, techniques have been developed that exploit the strong scattering of laser light by liquid-vapor interfaces. See page 686. [Images created by H. Deckman and P. Deckman]

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