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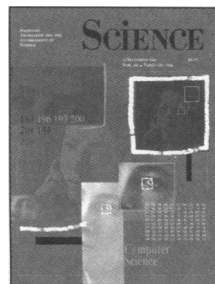
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COVER Conversion of images into digital form is one aspect of computer vision. Once digitized, an image can be processed, manipulated, and interpreted. The matrix of numbers is the numerical representation of the light and dark regions within the square border around the woman's eye. The articles in this issue survey developments in computer vision, robotics, parallel processing, and natural language processing. See editorial, page 1189, and articles, pages 1227 to 1254. [Cover by Julie Cherry; digital image of Sarah Bernhardt courtesy of Azriel Rosenfeld]

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