Cover:
Barbara Nessim created the image on this month's cover. She is an artist who uses the computer as a medium. Does that mean she's a programmer? Is she satisfied with what's available on today's computers? Read about the cover on page 4 and find out what one artist thinks about using the computer as a medium.

Cover design by 
Ron DeWilde

UTILIZING COMPUTER GRAPHICS

Original versions of the following three articles were presented at the IEEE conference Utilizing Computer Graphics, held in Silver Spring, Maryland, May 20-22, 1985. The conference chair was Mark Skall of the National Bureau of Standards, and the program chair was John Sibert of George Washington University.

24 Interactive Recognition of Handprinted Characters for Computer Input
   Jean Renard Ward and Barry Blesser
   With all the variations found in people's handprinting, can any input device read everything correctly?

38 Stereo and Alternating-Pair Techniques for Display of Computer-Generated Images
   Larry F. Hodges and David F. McAllister
   Electro-optical stereo pair displays and alternating-pair displays are both viable methods for 3-D representation of computer-generated images.

ARTICLE

46 The Beta2-spline: A Special Case of the Beta-spline Curve and Surface Representation
   Brian A. Barsky and Tony D. DeRose
   Simpler equations and computationally more efficient algorithms make the Beta2-spline easier to understand and useful to the designer.

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