FEATURE ARTICLES

12 An Application of Computer Graphics and Networks to Anatomic Model and Prosthesis Manufacturing
Michael L. Rhodes, Yu-Ming Kuo, Stephen L.G. Rothman, and Charles Woznick
Custom prosthesis and anatomic model manufacturing need not be restricted to large orthopedic research institutions; with software and modest computer communications hardware this capability can reach small, isolated community hospitals as well.

26 Computer Design of Custom Femoral Stem Prostheses
John W. Granholm, Douglas D. Robertson, Peter S. Walker, and Philip C. Nelson
Software has been developed to produce optimal-fit custom hip stems from 3D bone models generated using computerized tomography.

36 Worldview: An Integrated Geometric-Modeling/Drafting System
Yehuda E. Kalay
Worldview is a unique computer-aided architectural and engineering design system that attempts to combine the advantages of both the drafting and modeling approaches to CAD.

47 Fast Perspective Views of Images Using One-Dimensional Operations
P.K. Robertson
A new hidden-surface algorithm allows fast perspective views of surface images using scan-line processing.
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