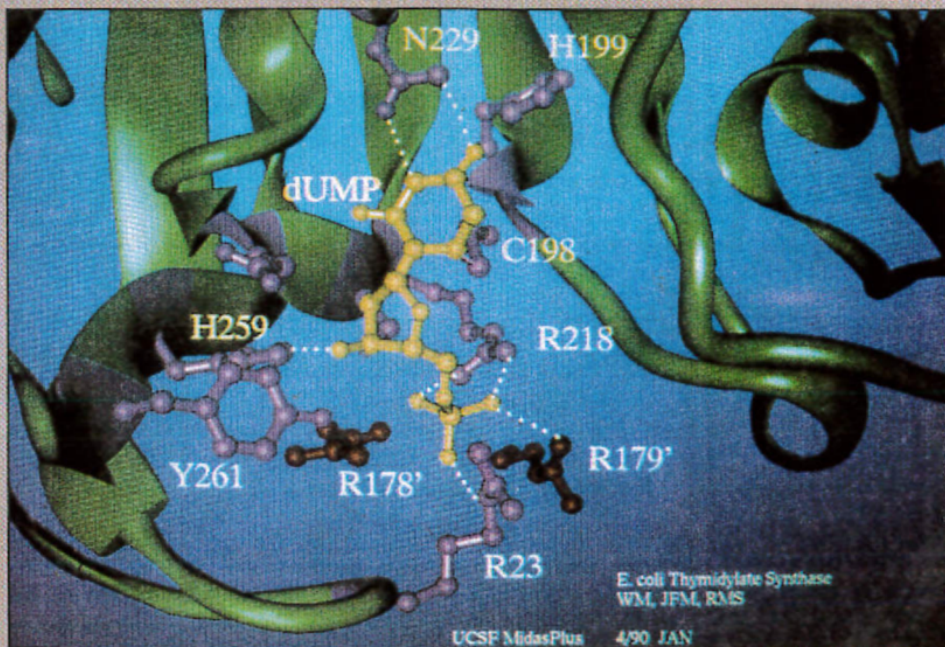


Grand Prize winner Softimage also took the Color & Technical Publishing award for its promotional poster for Perkins & Associates. Softimage 1.6 software was used on a Personal Iris to demonstrate ray-traced refractions, shadows and reflections. Glass in the image was built as a patch model, while all other elements were modeled polygonally. The final image used 150 models and 39,605 polygons, and was rendered at a resolution of 4K. Design was by Kenn Perkins; modeling, material definitions and rendering were by Jim Perkins.

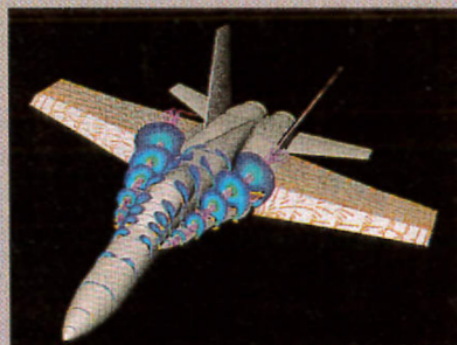


Growth simulation of a begonia "elite" by CIRAD Laboratoire, Montpellier, Cedex, France, topped the category of Scientific Visualization, Earth Resource Management, Geoscience and Life Science. AMAP software was used on an SGI 4D/70 GT.



Julie Newdell of the University of California, San Francisco Computer Graphics Lab won the Computer-Aided Molecular Design category with this close-up of the active site of the enzyme Thymidylate Synthase. The ball-and-stick method was used to represent key amino acid residues interacting with the natural substrate of Thymidylate Synthase (shown in yellow). The ribbon is shown winding through the backbone atoms of the protein, revealing its helices and sheets. An SGI 4D/80 GT was used with MidasPlus and Cartoon software.

In the Computational Fluid Dynamics category, Chris Gong of NASA Ames Research Center, Moffett Field, Calif., took top honors with this computational model of an F-18 jet showing particle traces, oil flow and helicity contours. An Iris 4D/70 GT was used with AGAS (Graphics Animation System) and SURF software.



Steven Fuhrman and Wes Hoffman of Merit Technology, Inc., Plano, Texas, won the Visual Simulation category for this image of cars at an intersection. They used a 220 VGX system with Simtool visual simulation software.

This winner in the Image Processing/Medical Imaging category helped save a patient's life. David E. Acker of MediCAD Corp., Setauket, N.Y., submitted this image from an SGI 4D/20G and MediCAD surgical planning workstation software, which combined to precisely locate a calcified aneurysm of a blood vessel (shown in red) at the base of an adult male's skull. The images were used by cranio-facial surgeons to successfully remove the aneurysm.

