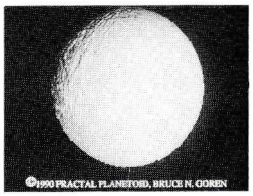
SIGGRAPH '90 Stereo Slide Set Credits

Edited by Diana Tuggle
SIGGRAPH '90 slide sets chair

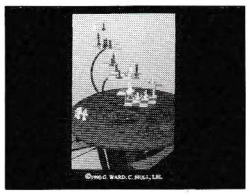
The stereo slide set has 70 slides, two each of 35 images. One slide of each image is printed here in black and white to facilitate locating information about the images. The full color 35mm slide set can be ordered from: ACM order department, P.O. Box 64145, Baltimore, MD 21264; 1-800-342-6626. The ACM order number for the SIGGRAPH '90 stereo slide set is 915902. The cost is $38 for members; $49 for non-members.



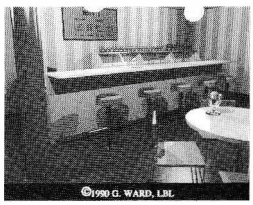
1&2. **Fractal Planetoid** by Bruce N. Goren. This stereo pair was generated on an IBM PC/AT at 8MHz, Targa 32 using FRACTINT.EXE. Contact: Bruce N. Goren, Cheap Computer Graphics, 5811 Tujunga Ave., #207, North Hollywood, CA 91601, (818) 769-4986.

3&4. **Fractal Landscape** by Bruce N. Goren. This stereo pair was generated on an IBM PC/AT at 8MHz, Targa 32 using FRACTINT.EXE. Contact: Bruce N. Goren, Cheap Computer Graphics, 5811 Tujunga Ave., #207, North Hollywood, CA 91601, (818) 769-4986.

5&6. **3-D Chess #2** by Gregory J. Ward, Christopher Moll. This stereo pair is of a Star Trek (TM) tridimensional chess game, view #2 with translucent surfaces. It was created using RADIANCE custom ray tracing program for lighting simulation on a Sun 3/60 and a Dicomed. Contact: Gregory J. Ward, Lawrence Berkeley Laboratory, 1 Cyclotron Road, 90-3111, Berkeley, CA 94720, (415) 486-4757.

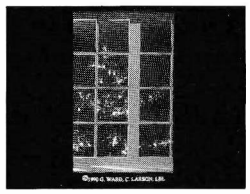


7&8. **3-D Chess #1** by Gregory J. Ward, Christopher Moll. This stereo pair is of a Star Trek (TM) tridimensional chess game, view #1. It was created using RADIANCE custom ray tracing program for lighting simulation on a Sun 3/60 and a Dicomed. Contact: Gregory J. Ward, Lawrence Berkeley Laboratory, 1 Cyclotron Road, 90-3111, Berkeley, CA 94720, (415) 486-4757.

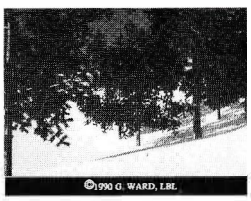


9&10. **Ice Cream Store #1** by Gregory J. Ward. This stereo pair is of an ice cream store with accurate lighting. It was created using RADIANCE custom ray tracing program for lighting simulation on a Sun 3/60 and a Dicomed. Contact: Gregory J. Ward, Lawrence Berkeley Laboratory, 1 Cyclotron Road, 90-3111, Berkeley, CA 94720, (415) 486-4757.

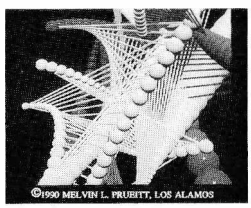
11&12. **Earthquake '89 in Stereo** by Gregory J. Ward and A. Grynberg. This stereo pair shows floating furniture in the conference room. It was created using RADIANCE custom ray tracing program for lighting simulation on a Sun 3/60 and a Dicomed. Contact: Gregory J. Ward, Lawrence Berkeley Laboratory, 1 Cyclotron Road, 90-3111, Berkeley, CA 94720, (415) 486-4757.



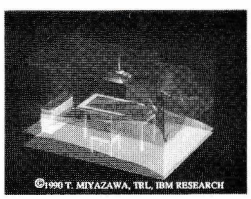
13&14. **Winter Solstice #2** by Gregory J. Ward, Cindy Larson. This stereo pair shows a Christmas tree with many small lights and star filtering. It was created using RADIANCE custom ray tracing program for lighting simulation on a Sun 3/60 and a Dicomed. Contact: Gregory J. Ward, Lawrence Berkeley Laboratory, 1 Cyclotron Road, 90-3111, Berkeley, CA 94720, (415) 486-4757.



15&16. **Forest #1** by Gregory J. Ward. These forest scenes have over 3 million cones, generated with hierarchical instancing scheme in ray tracer. They were created using RADIANCE custom ray tracing program for lighting simulation on a Sun 3/60 and a Dicomed. Contact: Gregory J. Ward, Lawrence Berkeley Laboratory, 1 Cyclotron Road, 90-3111, Berkeley, CA 94720, (415) 486-4757.

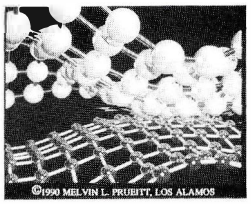


17&18. **Leverage** by Melvin L. Prueitt. These scan line renderings were created on a Cray computer and Dicomed film recorder using the author's own software, SCOPE. Contact: Melvin L. Prueitt, Los Alamos National Laboratory, MS-B272, Los Alamos, NM 87544, (505) 667-4452.

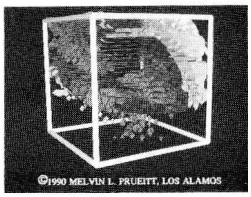


19&20. **Temperature Distribution in a Room** by Tatsuo Miyazawa. These images were made using an integrated renderer for visualizing voxel and surface data simultaneously in a unified way. Simulation software was PHOENICS; rendering software developed by the author. The images were created on an IBM 3090. Contact: Tatsuo Miyazawa, Tokyo Research Laboratory, IBM Japan, Ltd., 5-19, Sanbancho, Chiyoda-ku, Tokyo 102, Japan, (81) 03-288-8246.

21&22. **Super Lattice** by Melvin L. Prueitt. The images were created on a Cray computer and Dicomed film recorder using the author's own software, SCOPE. Contact: Melvin L. Prueitt, Los Alamos National Laboratory, MS-B272, Los Alamos, NM 87544, (505) 667-4452.



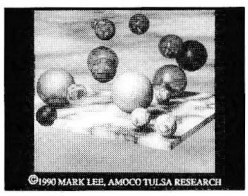
23&24. **DNA Statistics** by Melvin L. Prueitt. The ISO surfaces of statistical data were created on a Cray computer and Dicomed film recorder using the author's own software, SCOPE. Data courtesy of David Torney. Contact: Melvin L. Prueitt, Los Alamos National Laboratory, MS-B272, Los Alamos, NM 87544, (505) 667-4452.



25&26. **Wading Pool** by Melvin L. Prueitt. These ray tracing and texture mapping images were created on a Cray computer and Dicomed film recorder using the author's own software, SCOPE. Contact: Melvin L. Prueitt, Los Alamos National Laboratory, MS-B272, Los Alamos, NM 87544, (505) 667-4452.

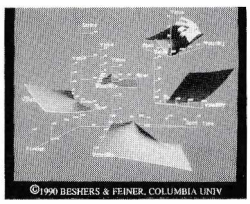
27&28. **Inside a Quark** by Ned Greene. This stereo pair is of a vine labyrinth from "The Magic Egg," the SIGGRAPH '84 Omnimax film. They were created on a VAX 11/780 and Ikonas using the NYIT animation system. Contact: Ned Greene, 816 Colorado Avenue, Palo Alto, CA 94303, (415) 493-8441.

29&30. **Spherica 2** by Mark E. Lee, Sam Uselton, Rich Redner. The pair illustrates distributed ray tracing for shadows, antialiasing and fuzzy reflections. They used solid mapping for textures. Physical reflectance measurements and wavelength sampling are used for reflections and refractions. The images were created on an IBM 3090 and Raster Technologies One/380 using the Shootist in-house distributed ray tracer. Contact: Mark E. Lee, Amoco Production Company Tulsa Research Center, 4502 E. 41st Street, P.O. Box 3385, Tulsa, OK 74102, (918) 660-3556.



31&32. **Reflections** by Melvin L. Prueitt. These images were created on a Cray computer and Dicomed film recorder using SCOPE, software created by the author. Contact: Melvin L. Prueitt, Los Alamos National Laboratory, MS-B272, Los Alamos, NM 87544, (505) 667-4452.

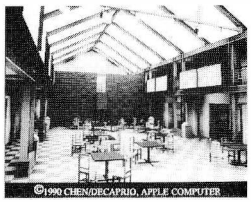
33&34. **Financial Visualization** by Clifford M. Beshers, Steven K. Feiner. These images were created on a HP 9000 370, Turbo SRX, VPL Dataglove, Stereo Graphics using n-Vision, n-Dimensional visualization system. Contact: Clifford M. Beshers, Columbia University, 450 Computer Science, New York, NY 10027, (212) 854-8184.



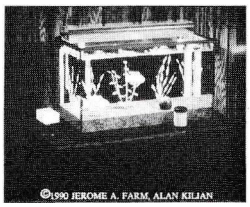
35&36. **Opus Goober** by Lou Harrison, Paul Barham, Yates Fletcher. These visualizations of a 4-D projective plane topological manifold were created on a Sun 3/260 with TAAC-1 accelerator. Software: in-house and Sun TAAC-1 manifolds demo (modified in-house). Contact: Lou Harrison, Paul Barham, Yates Fletcher, North Carolina State University, Computer Science Department, Box 8206, Raleigh, NC 27695-8206, (919) 737-7479.

37&38. **Opus Gomer** by Lou Harrison, Paul Barham, Yates Fletcher. These visualizations of a 4-D projective plane topological manifold were created on a Sun 3/260 with TAAC-1 accelerator. Software: in-house and Sun TAAC-1 manifolds demo (modified in-house). Contact: Lou Harrison, Paul Barham, Yates Fletcher, North Carolina State University, Computer Science Department, Box 8206, Raleigh, NC 27695-8206, (919) 737-7479.

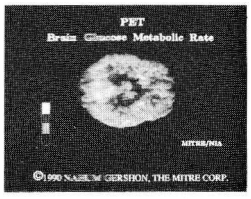
39&40. **Atrium** by Shenchang Eric Chen, Don DeCaprio. Modeling by DeCaprio is based on the atrium of Valley Green 6 building. Radiosity rendering done by Chen using Super 3D, an in-house program. The images were created on a Silicon Graphics IRIS 4D GTX and Macintosh II. Contact: Shenchang Eric Chen, Apple Computer Inc., 20705 Valley Green Drive, MS-60W, Cupertino, CA 95014, (408) 974-2926.



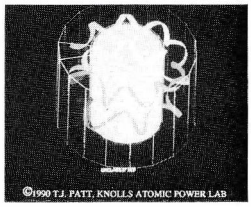
41&42. **aq15** by Jerome A. Farm, Alan Kilian. This ray traced aquarium stereo pair was created on a Cray Y-MP 8/832 and Macintosh II using Rayshade 3.0 Patch Level 5. Contact: Alan Kilian, Cray Research, Inc., 1440 Northland Drive, Mendota Heights, MN 55120, (612) 681-3277.



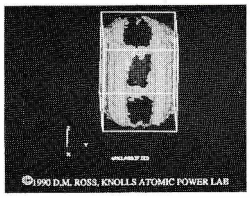
43&44. **Brain Glucose Metabolic Rate 0 Degrees** by Nahum D. Gershon. These renderings of brain glucose metabolic rate as depicted by PET on 14 slices with resolution of 128 x 128 pixels were created on a PIXAR II. In-house software, ChapVolume, was used. Contact: Nahum Gershon, The Mitre Corporation, 7525 Colshire Drive, McLean, VA 22102-3481, (703) 883-7518.



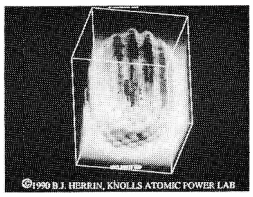
45&46. **Volume Rendering of Monte Carlo Data** by Timothy J. Patt. These volume renderings used ray casting techniques with varying opacities for Monte Carlo power density solution to a commercial reactor model. Renderings were computed for back wedge of rectangular prism domain. The images were created on a Cray YMP, VAX 8800, Matrix Color Hardcopy using in-house software. Contact: Timothy J. Patt, GE - Knolls Atomic Power Laboratory, Room 103, Building C4, Box 1072, Schenectady, NY 12301, (518) 395-6648.



47&48. **Iso-surfaces of Monte Carlo Data** by Donna M. Ross, Francis X. Janucik, Timothy J. Patt. These images show iso-surfaces of constant power density from Monte Carlo solution of commercial nuclear reactor model. In-house software was used on a VAX 8800, Matrix Color Hardcopy. Contact: Donna M. Ross, Timothy J. Patt, GE - Knolls Atomic Power Laboratory, Room 103, Building C4, Box 1072, Schenectady, NY 12301, (518) 395-6648.

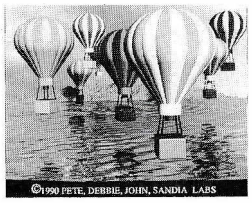


49&50. **Taylor Vortex Flow Ribbons** by Brian J. Herrin. Taylor vortices surrounding an immersed rotating shaft are depicted using flow ribbons. The images were created on a VAX 8800, Matrix Color Hardcopy using in-house software. Contact: Brian J. Herrin, GE - Knolls Atomic Power Laboratory, Room 103, Building C4, Box 1072, Schenectady, NY 12301, (518) 395-6648.

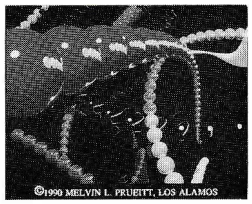


51&52. **Crays in the Desert** by Pete Watterberg, Estrella Dulleck, John Mareda, Debbie Campbell. Crays are interconnected to workstations in the desert, representative of Sandia's computing environment. Watterberg's Mesa software was used on a VAX 8600. Contact: John Mareda, Sandia National Laboratories, P.O. Box 5800, Div. 1523, Albuquerque, NM 87185, (505) 845-8550.

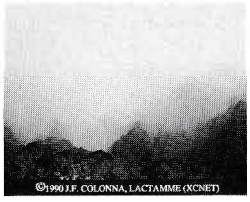
53&54. **Hot Air** by Pete Watterberg, Debbie Campbell, John Mareda. These are ray traced images of hot air balloons floating over a lake. Watterberg's Mesa software was used on a VAX 8600. Contact: John Mareda, Sandia National Laboratories, P.O. Box 5800, Div. 1523, Albuquerque, NM 87185, (505) 845-8550.



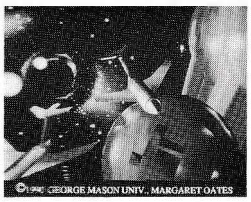
55&56. **Boomer** by Melvin L. Prueitt. These ray tracings were created on a Cray computer and Dicomed film recorder using SCOPE, software developed by the author. Contact: Melvin L. Prueitt, Los Alamos National Laboratory, MS-B272, Los Alamos, NM 87545, (505) 667-4452.



57&58. **Stereo Fractal Landscape** by Jean-Francois Colonna. This stereo view of a fractal landscape with fog was created on a Bull DPX 5000 using UNIX and C and author's graphical software. Contact: Jean-Francois Colonna, Lactamme, Ecole Polytechnique, 91128 Palaiseau Cedex, France, (33) 1 60 19 40 53.

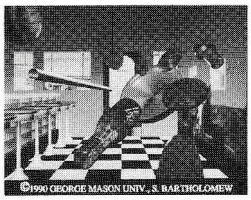


59&60. Blackhole by Margaret Oates. These images were created on a WIN 386 with Vista board using Topas software. Contact: Margaret Oates, George Mason University, 4400 University Avenue, Fairfax, VA 22030, (703) 323-2463.

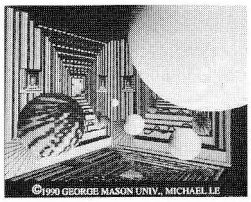


61&62. **Suspended Animation** by Mary Lou Hines. The images were created on a Win 386 with Vista board using Topas software. Contact: Mary Lou Hines, George Mason University, 4400 University Avenue, Fairfax, VA 22030, (703) 323-2463.

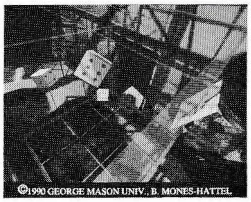
63&64. **Suspended Animation** by Stephanie Bartholomew. These images were created on a Win 386 with Vista board using Topas software. Contact: Stephanie Bartholomew, George Mason University, 4400 University Avenue, Fairfax, VA 22030, (703) 323-2463.



65&66. **Time Warp** by Michael Van Le. These images were created on a Win 386 and WIN Turbo using Tips and Topas software. Contact: Michael Van Le, 229 Silver Leaf Drive, Sterling, VA 22170, (703) 444-1293.



67&68. **Untitled** by Barbara Mones-Hattel. These images were created on a Win 386 with Vista board using Topas 3.5 software. Contact: Barbara Mones-Hattel, George Mason University, 4400 University Avenue, Fairfax, VA 22030, (703) 323-2463.



69&70. **Untitled** by Barbara Mones-Hattel. These images were created on a Win 386 with Vista board using Topas 3.5 software. Contact: Barbara Mones-Hattel, George Mason University, 4400 University Avenue, Fairfax, VA 22030, (703) 323-2463.