Optimizing Terrain Visualizations Using VRML 2.0

David Freda

Jet Propulsion Laboratory
California Institute of Technology
4800 Oak Grove Drive
Pasadena, CA 91109
under contract with National Aeronautics and Space Administration

Abstract

The abundance of data gathered by satellites and other scientific instruments has made terrain visualization widespread. Doing this kind visualization in VRML has often been constrained by browsers, which limit the size of texture maps. The technique shown represents such terrains in VRML by partitioning them, permitting browser optimization.

[ ] Papers [ ] Panels [ ] Courses [ ] Videos

TITLE

.....

.....

.....

AUTHORIZATION

Permission to Use Visual and Audio: I grant permission for the above-referenced material and associated visuals, including slides, video, and film, to be presented at VRML 97, 24-26 February 1997 in Monterey, California, USA. In the event that any materials used in my VRML 97 presentation contain the work of other individuals or organizations including any copyrighted musical compositions or excerpts thereof, I understand that it is my responsibility to secure any necessary permissions and/or licenses. Small performing rights licenses must be secured for the public performance of any copyrighted musical composition. Synchronization licenses must be secured for the inclusion of any copyrighted musical compositions in film, video, or multimedia presentations.

[ ] Yes I have the necessary rights and/or permissions to use the visuals in my piece.

[ ] Yes my piece contains audio.

[ ] Yes I have the necessary rights and/or permissions to use the audio in my piece.

[ ] Yes I am unsure how to arrange for music licensing, please send me names of companies who, for a nominal fee, can help me.

[ ] Yes I agree to supply VRML 97 with the required material by the stated due date and agree to allow it to be published in paper, CD-ROM, and other electronic form.

Distribution Rights: I grant non-exclusive worldwide distribution rights to ACM/SIGGRAPH and VRML 97 to publish and distribute my video material in the following publication. I maintain the copyright to my work and will receive full credit wherever my images are used.

[ ] Yes I grant VRML 97 permission to use my work in the VRML 97 Video Proceedings, VRML 97's video publication.

[ ] NTSC Beta SP [ ] NTSC SVHS [ ] NTSC HIS (Check one only)

Conference Promotional Material: I grant VRML 97 the right to use my materials and visuals for conference and organization publicity, both now and in the future. This includes but is not limited to usage on posters, brochures, catalogs, coffee mugs, mouse pads, and/or media broadcast. In exchange, VRML 97 provides full author/artist credit information on all promotional material.

[ ] Yes [ ] No I grant VRML 97 permission to use my work for conference and organization publicity.

VRML 97 reserves the right to record video and audio of presentations for internal use and as an archival record of the current conference. In the event your session is recorded, VRML 97 would like permission to use the video for promotional and educational purposes; speakers will receive full credit whenever the video is used.

[ ] Yes [ ] No I grant VRML 97 permission to use video and/or audio recordings of my presentation for promotional and educational purposes, including transmission over the Multicast Backbone.

Signature.....Date.....

STATEMENT OF PURPOSE

The VRML 97 Permission to Use Form explains the uses VRML 97 makes of presented material and requires you to acknowledge that you have permission to use this material. This may involve seeking clearance from your employer or from others who have loaned you material, such as videotapes and slides. This form helps prevent situations whereby VRML 97 presentations include material without permission that might lead to complaints or even legal action. VRML 97 organizers and participants in Papers, Panels, Courses, and Educators Program must complete, sign, and return the form to the appropriate program chair as a condition of acceptance for participation in the program. In addition, this form asks if VRML 97 may use your materials for conference and organization promotional material in exchange for full author/artist credit information.

WebMaster: Dave Nadeau
This site hosted by the San Diego Supercomputer Center.

Current URL: http://www.sdsc.edu/vrml97/permform.html