

Meeting Started at 3:48

Advisors Present. Dr. Kang, Richard Cross

Students Present: Shawn Anderson, Hieu Phan, Khang Lam, Christopher Omlor, Fidel Izquierdo

Started the meeting talking about SPICE

User Selects the area for example Moon, mars, etc..., then you have the area then get the center of the area, calculate the sun's location using the area. If the user chooses to have for example a 4hr movie, it should be realistically.

Instead of waterfall method we use. Agile method.

Hieu: You got OBJ file, user will select relatively small area, to see the area, you will get lon and lat of the center area. By calling several functions example (), using the vector in the rendering program you get the sun location/ angle. You need to find the intensity of the light. If the image is too dark increase the intensity and make the images similar in lighting. Get the center of the OBJ and get the sun location and intensity.

Can our team have a prototype by the end of the semester?

While user is fine tuning area location, you already have 3D data.

A master control program that will

Wish list:

Display any 3d start camera path, when the user double clicks. A 2D polyline drawing.. Camera can cross each other. If user wants to add a line. Add a point. Linked list to store set of points. A way to add angle. , if a user click on mouse- delete, elevation, . you need to show what is the maximum elevation. , user cannot go under the lowest point. Orientation. You have a surface. You can display the XYZ . look at Maya and Blender tool. Have at least draw polygon lines, with add and delete features.

10/20

Meeting Started at 4:33

Front-end team

Hieu showed shan and jorge the czml format no actual data.

Spice can tell a vector form the center of the sun

Spice also tells us the brightness of the sun

Two ways for the camera, first and third person one would be an accurate representation of what the user wants

Shan was fine with the idea.

Geotiff-having trouble getting the geotiff off the marstrek website

Tolds us to google mola--geotiff height map for entire mars surface

Back-end team

Polygon reduce before making a blender side of it.

Spice-We are still researching the spice libraries. We need more time to look thru the tutorials. Python wrapper for NAIF.

Told us there is also a java wrapper for NAIF

Hadoop/Video merger- Getting mini-videos and putting them together. Showed an example of the process.

They were pleased with the output of the videos.