

SpaceBlenders Usability Testing for Blender Plug-in

Task 1 Process a Dem Image

Task 2 Create a linear flyover video

Task 1 (Novice):

1. Open the Blender application.
2. Select file > import > Import and SpaceBlend DEM (.IMG).
In the lower left corner of the screen you will see image import options.
3. Click on the color menu and select Rainbow Saturated.
4. Make sure that the flyover menu has 'No flyover' selected.
5. Check the box for Apply Stars.
6. Check the box for Apply Mist.
7. Select your image by navigating to Desktop > your image
8. In the upper right corner click the Import and SpaceBlend DEM (.IMG) button.
9. Once the image appears in the Blender windows click on the Render menu at the upper left of the window and select Render image.
10. Once the rendered image appears, click on the image menu on the lower left of the window and select save as image.
11. In the new window that comes up choose where you want to save the image and click the 'Save as Image' button on the upper right of the window.

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Task 2 (Novice):

1. Open the Blender application.
2. Select file > import > Import and SpaceBlend DEM (.IMG).
In the lower left corner of the screen you will see image import options.
3. Click on the color menu and select Rainbow Saturated.
4. Click on the flyover menu and select linear flyover
5. Click on the resolution menu and select 180p
6. Check the box for Apply Stars.
7. Select your image by navigating to Desktop > your image
8. In the upper right corner click the Import and SpaceBlend DEM (.IMG) button.
9. Once the image appears in the Blender windows click on the Render menu at the upper left of the window and select Render Animation.
10. After rendering completes (you can see the rendering progress on the top of the window close to the middle), close Blender and open the video. The video will be located in the user directory.

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10. Once the rendered image appears, click on the image menu on the lower left of the window and select save as image.
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Task 2 (Novice):

1. Open the Blender application.
2. Select file > import > Import and SpaceBlend DEM (.IMG).
In the lower left corner of the screen you will see image import options.
3. Click on the color menu and select Rainbow Saturated.
4. Click on the flyover menu and select linear flyover
5. Click on the resolution menu and select 180p
6. Check the box for Apply Stars.
7. Select your image by navigating to Desktop > your image
8. In the upper right corner click the Import and SpaceBlend DEM (.IMG) button.
9. Once the image appears in the Blender windows click on the Render menu at the upper left of the window and select Render Animation.
10. After rendering completes (you can see the rendering progress on the top of the window close to the middle), close Blender and open the video. The video will be located in the user directory.

SpaceBlenders Usability Testing for Blender Plug-in

Task 1 (Experienced):

1. Open the Blender application.
2. Select file > import > Import and SpaceBlend DEM (.IMG).
3. Select the options to create an image with the following options:
 - Color: Rainbow Saturated
 - Stars
 - Mist
4. Select your DEM image
5. Import the image
6. Once the image appears in the Blender windows click on the Render menu at the upper left of the window and select Render image.
7. Once the rendered image appears, click on the image menu on the lower left of the window and select save as image.
8. Save the image.

SpaceBlenders Usability Testing for Blender Plug-in

Task 2 (Experienced):

1. Open the Blender application.
2. Select file > import > Import and SpaceBlend DEM (.IMG).
3. Select the following options
 - Color: Rainbow Saturated
 - Stars
 - Linear Flyover
 - 180p Resolution
4. Select your DEM
5. Import the image
6. Once the image appears in the Blender windows click on the Render menu at the upper left of the window and select Render Animation.
7. After rendering completes (you can see the rendering progress on the top of the window close to the middle), close Blender and open the video. The video will be located in the user directory.

SpaceBlenders Usability Survey

This form is a survey of user testing for the SpaceBlenders plug-in for Blender

*** Required**

How comfortable are you using computers? *

1 being not comfortable, 5 being very comfortable.

- ☐ 1
- ☐ 2
- ☐ 3
- ☐ 4
- ☐ 5

Are you familiar with the application Blender? *

- ☐ Yes
- ☐ No

How easy was it to navigate the interface? *

This question is directed to OUR interface and not Blender in general. 1 being not easy, 5 being extremely easy.

- ☐ 1
- ☐ 2
- ☐ 3
- ☐ 4
- ☐ 5

Did you find our Blender plug-in useful? *

- ☐ Yes
- ☐ No

Were you able to successfully process an image using our plug-in? *

- ☐ Yes
- ☐ No
- ☐ Not applicable

Were you able to create a flyover video successfully using our plug-in? *

- ☐ Yes
- ☐ No
- ☐ Not applicable

What was your level of comfort during the test? *

This is directed towards your level of comfort with the applications. 1 being not comfortable, 5 being

very comfortable.

- ☐ 1
- ☐ 2
- ☐ 3
- ☐ 4
- ☐ 5

If anything, what would you do different about the test?

Would you change anything about our plug-in? *

Please explain your answer.

Do you have any comments about the usefulness of our plug-in?

Submit

Never submit passwords through Google Forms.

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 **Google** Drive

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Timestamp	How comfortable are you using computers?	Are you familiar with the application Blender?	How easy was it to navigate the interface?	Were you able to successfully process an image using our plug-in?	What was your level of comfort during the test?	Were you able to create a flyover video successfully using our plug-in?	If anything, what would you do different about the test?
4/8/2014 12:06:47	1						
4/8/2014 12:34:58	5 Yes	5 Yes	5 Yes	5 Yes	5	5 Not applicable	Perfect
4/8/2014 12:35:22	5 Yes	5 Yes	5 Yes	5 Yes	5	5 Yes	Nothing
4/8/2014 12:38:54	5 Yes	5 Yes	5 Yes	5 Yes	5	5 Yes	Nothing
4/15/2014 13:46:57	5 Yes	5 Yes		4 Not applicable		5 Yes	
4/15/2014 13:57:23	4	4 No	4	4 Yes		5 Yes	
4/16/2014 13:56:56	5 Yes	5 Yes	4	4 Yes		3 Yes	Introduction to the tool.
4/17/2014 11:59:48	5 No	5 No	3	3 Yes		4 Yes	Clearer descriptions of what you are supposed to do.

Did you find our Blender plug-in useful?	Do you have any comments about the usefulness of our plug-in?	Would you change anything about our plug-in?
Yes	Good	Nope, perfect!
Yes	Pretty	no
Yes	Great!!	No
Yes		No
Yes		no
Yes	It might be good to point to more examples for users to change the camera and views. Command-line usage! :-)	flight paths setup for movies better (better spread). If the flight plan is not currently supported they should be hidden. A good video for using it would be a nice introduction. This would help quickly describe viewing the model from different angles. Would be nice if there were notes to export to interactive format worked.
		I would like to be able to do something with the product I generate. I would like to be able to select points for the fly-over.