Toward Evaluating Material Design Interface Paradigms for Novice Users
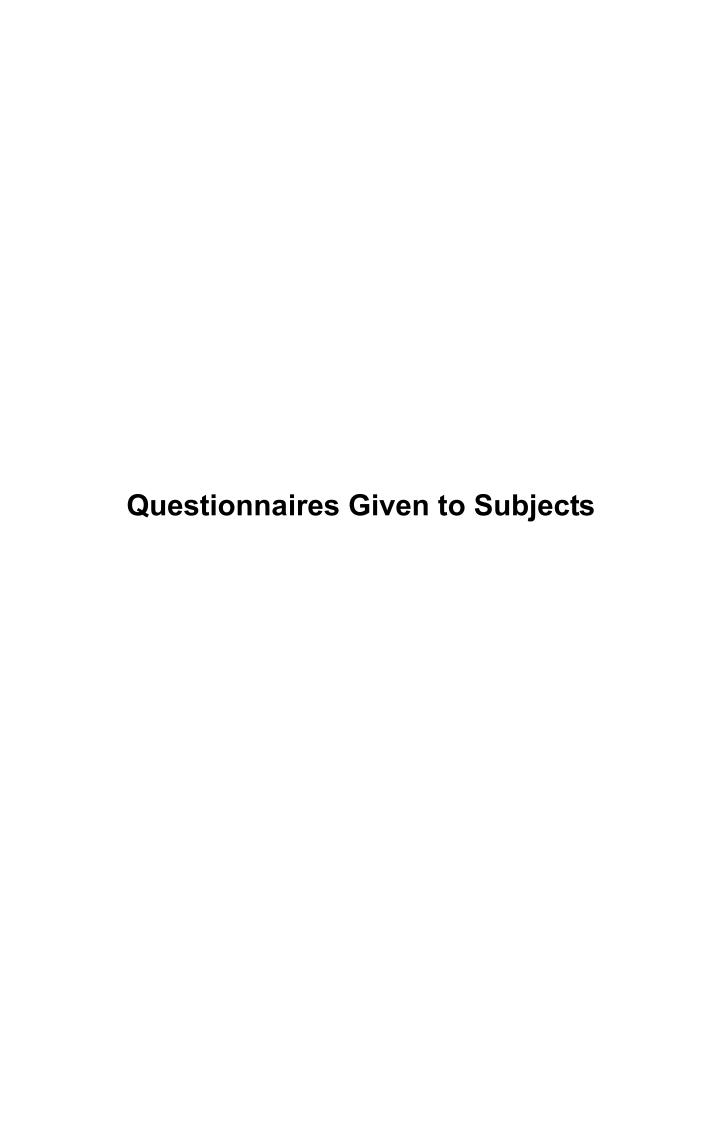
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Questionnaires Given to Subjects

Material Design Study Preliminary Questionnaire

You may choose to not answer any or all questions.

Please rate your previous experience with material editing in 3D computer graphics.

    (1) No experience
    (2) Have tinkered with it
    (3) Have worked on a project
    (4) Have worked on more than one project
    (5) Work as a professional

Material Design Study Physical Sliders Questionnaire

Please answer the following questions and elaborate where possible.

1. **Were you able to understand what each slider did?**

2. **How would you compare matching trials to open trials in terms of your workflow?**

3.   What was the most difficult part of the design process?

4.   What was the least difficult part of the design process?

Material Design Study Perceptual Sliders Questionnaire

Please answer the following questions and elaborate where possible.

1. **Were you able to understand what each slider did?**

2. **How would you compare matching trials to open trials in terms of your workflow?**

3.   **What was the most difficult part of the design process?**

4.   **What was the least difficult part of the design process?**

Material Design Study Image Navigation Questionnaire

Please answer the following questions and elaborate where possible.

1. **Were you able to understand what each view axis did?**

2. **How would you compare matching trials to open trials in terms of your workflow?**

3. **What was the most difficult part of the design process?**

4. **What was the least difficult part of the design process?**

Material Design Study Final Questionnaire

Please rate and rank the interfaces in each of the following areas.

1) **Interface is a natural way to think about material editing:**

    How does each interface rate on a scale of 1 to 5?

    (**1** implies does not feel natural. **5** implies feels natural.)

    Physical Sliders: 1   2   3   4   5
    Perceptual Sliders: 1   2   3   4   5
    Image Navigation: 1   2   3   4   5

    If forced to choose, which interface would be ranked 1st, 2nd, and 3rd?

    1st most natural: _____
    2nd most natural: _____
    3rd most natural: _____

2) **Your preference for working on matching trials:**

    How does each interface rate on a scale of 1 to 5?

    (**1** implies do not prefer. **5** implies prefer.)

    Physical Sliders: 1   2   3   4   5
    Perceptual Sliders: 1   2   3   4   5
    Image Navigation: 1   2   3   4   5

    If forced to choose, which interface would be ranked 1st, 2nd, and 3rd?

    1st preference: _____
    2nd preference: _____
    3rd preference: _____

3) **Your preference for working on open trials:**

    How does each interface rate on a scale of 1 to 5?

    (**1** implies do not prefer. **5** implies prefer.)

    Physical Sliders: 1   2   3   4   5
    Perceptual Sliders: 1   2   3   4   5
    Image Navigation: 1   2   3   4   5

    If forced to choose, which interface would be ranked 1st, 2nd, and 3rd?

    1st preference: _____
    2nd preference: _____
    3rd preference: _____

4) **Your overall preference:**

How does each interface rate on a scale of 1 to 5?

(**1** implies do not prefer. **5** implies prefer.)

    Physical Sliders: 1 2 3 4 5

    Perceptual Sliders: 1 2 3 4 5

    Image Navigation: 1 2 3 4 5

If forced to choose, which interface would be ranked 1st, 2nd, and 3rd?

    1st preference: _____

    2nd preference: _____

    3rd preference: _____

5) **What did you like about your 1st preference?**