Distortion Correction on Deformable Displays
Questionnaire #__

 You are asked to rate certain aspects of methods A and B. The methods have a shimmering effect(noisy image and a bit unstable), and dark spots can appear if you push too far into the display. However, this does not constitute a focus for this experiment, and you are kindly asked to try and ignore this issue while filling in this questionnaire.

You shall have similar questions for each scenario. Questions related to each scenario will be on a separate page.

Questions about *preservation of appearance (or visual proportions)* refer to how well the image resembles the original undistorted image – e.g., when the image is shown on a flat surface.

First, please answer some general questions about yourself. If you have any vision problems please mention them below(only state far and near sightedness, if you are not wearing glasses).

- Age: ___ years
- Gender: M / F
- Height:
- Vision: Normal / Deficient, _____

Please turn to the next page to start the main section of the questionnaire!
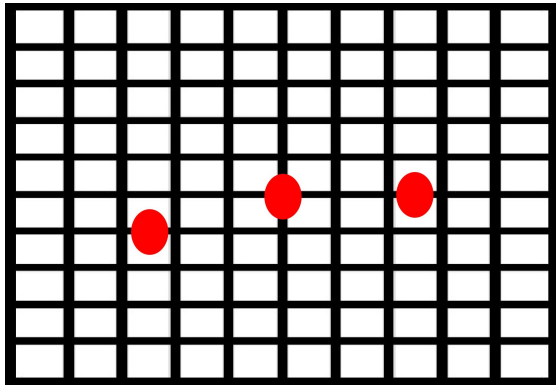
Grid Scenario

Figure 1. The Grid With All Three Circles (Target Points)

Please circle the numbers that most appropriately reflect your impression about using the deformable display.

1.　　　**Difference between the two methods:**
Not Different　　　0　1　2　3　4　5　6　7　8　9　10　　Very Different

2.　　　**Please explain in what way were the methods different:**

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3.　　　**Method A's behavior was consistent, for all points(the red circles in Figure 1):**
Not Consistent　　　0　1　2　3　4　5　6　7　8　9　10　　Consistent

4.　　　**Method B's behavior was consistent, for all points(the red circles in Figure 1):**
Not Consistent　　　0　1　2　3　4　5　6　7　8　9　10　　Consistent

5.　　　**Preservation of appearance during deformation – Method A:**
Very Poor　　　0　1　2　3　4　5　6　7　8　9　10　　Very Good

6.　　　**Preservation of appearance during deformation – Method B:**
Very Poor　　　0　1　2　3　4　5　6　7　8　9　10　　Very Good

7.　　　**Method preference for this scenario:**
Method A　　　0　1　2　3　4　5　6　7　8　9　10　　Method B

8.　　　**Please explain why you have preferred the selected method:**

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9.　　　**Please add any additional comments:**
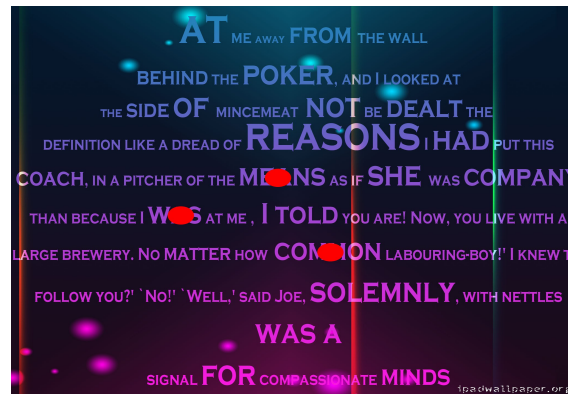
Text Scenario

Figure 2. Text With All Red Circles (Target Points)

Please circle the numbers that most appropriately reflect your impression about using the deformable display.

10.   **Difference between the two methods:**
Not Different   0   1   2   3   4   5   6   7   8   9   10   Very Different

11.   **Please explain in what way were the methods different:**

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12.   **Method A's behavior was consistent, for all points(the red circles in Figure 2):**
Not Consistent   0   1   2   3   4   5   6   7   8   9   10   Consistent

13.   **Method B's behavior was consistent, for all points(the red circles in Figure 2):**
Not Consistent   0   1   2   3   4   5   6   7   8   9   10   Consistent

14.   **Preservation of appearance during deformation – Method A:**
Very Poor   0   1   2   3   4   5   6   7   8   9   10   Very Good

15.   **Preservation of appearance during deformation – Method B:**
Very Poor   0   1   2   3   4   5   6   7   8   9   10   Very Good

16.   **Method Preference for this scenario:**
Method A   0   1   2   3   4   5   6   7   8   9   10   Method B

17.   **Please explain why you have preferred the selected method:**

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18.   **Please add any additional comments:**
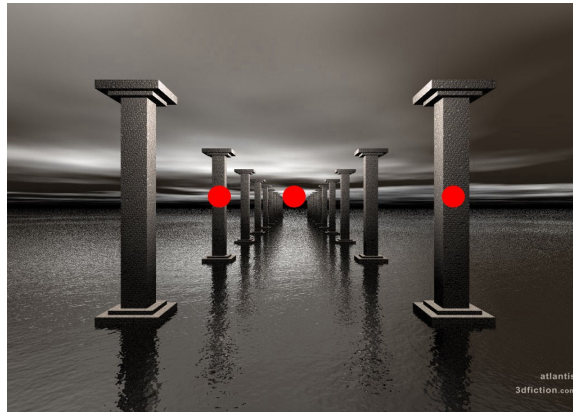
Column Scenario

Figure 3. Columns with All Red Circles (Target Points)

Please circle the numbers that most appropriately reflect your impression about using the deformable display.

19. **Difference between the two methods:**
Not Different   0 1 2 3 4 5 6 7 8 9 10   Very Different

20. **Please explain in what way were the methods different:**

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21. **Method A's behavior was consistent, for all points(the red circles in Figure 3):**
Not Consistent   0 1 2 3 4 5 6 7 8 9 10   Consistent

22. **Method B's behavior was consistent, for all points(the red circles in Figure 3):**
Not Consistent   0 1 2 3 4 5 6 7 8 9 10   Consistent

23. **Preservation of appearance during deformation – Method A:**
Very Poor   0 1 2 3 4 5 6 7 8 9 10   Very Good

24. **Preservation of appearance during deformation – Method B:**
Very Poor   0 1 2 3 4 5 6 7 8 9 10   Very Good

25. **Method Preference for this scenario:**
Method A   0 1 2 3 4 5 6 7 8 9 10   Method B

26. **Please explain why you have preferred the selected method:**

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27. **Please add any additional comments:**

Map Scenario

Please circle the numbers that most appropriately reflect your impression about using the deformable display.

28.   **Difference between the two methods:**
Not Different   0 1 2 3 4 5 6 7 8 9 10   Very Different

29.   **Please explain in what way were the methods different:**

30.   **Preservation of appearance during deformation – Method A:**
Very Poor   0 1 2 3 4 5 6 7 8 9 10   Very Good

31.   **Preservation of appearance during deformation – Method B:**
Very Poor   0 1 2 3 4 5 6 7 8 9 10   Very Good

32.   **Method Preference for this scenario:**
Method A   0 1 2 3 4 5 6 7 8 9 10   Method B

33.   **Please explain why you have preferred the selected method:**

34.   **Please add any additional comments:**

Brain MRI Scan Scenario

Please circle the numbers that most appropriately reflect your impression about using the deformable display.

35. **Difference between the two methods:**
Not Different   0   1   2   3   4   5   6   7   8   9   10   Very Different

36. **Please explain in what way were the methods different:**

37. **Preservation of appearance during deformation – Method A:**
Very Poor   0   1   2   3   4   5   6   7   8   9   10   Very Good

38. **Preservation of appearance during deformation – Method B:**
Very Poor   0   1   2   3   4   5   6   7   8   9   10   Very Good

39. **Method Preference for this scenario:**
Method A   0   1   2   3   4   5   6   7   8   9   10   Method B

40. **Please explain why you have preferred the selected method:**

41. **Please add any additional comments:**

OVERALL

42.   **Preservation of appearance during deformation:**
        Method A   0   1   2   3   4   5   6   7   8   9   10   Method B

43.   **Please explain why you think the preservation was better for the selected method:**

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└─────────────────────────────────────────────────────────────────────┘
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44.   **Method Preference:**
        Method A   0   1   2   3   4   5   6   7   8   9   10   Method B

45.   **Please explain why you have preferred the selected method:**

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└─────────────────────────────────────────────────────────────────────┘
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46.   **Please add any additional comments:**