

Table 1 Improvement experiment results, Part 1 (non-immersive)

Age group	Number of participants
Younger than 14 years	0
14–18 years old	0
19–25 years old	3
26–35 years old	5
36–45 years old	0
46–55 years old	0
Older than 55 years	0
Total	8

Experience with VR	Number of participants
None	1
Only tried once	3
Tried multiple times	3
Own an HMD and use it at least once a year	0
Own an HMD and use it at least once a month	1
Own an HMD and use it at least once a week	0
Own an HMD and use it daily	0
Total	8

Experience with Haptic Devices	Number of participants
None	4
Only tried once	1
Tried multiple times	3
Own one and use it at least once a year	0
Own one and use it at least once a month	0
Own one and use it at least once a week	0
Own one and use it daily	0
Total	8

Experience with CAD	Number of participants
None	3
Only tried once	1
Tried multiple times	3
Novice level of expertise	0
Intermediate level of expertise	1
I use CAD on a professional capacity	0
Total	8

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Table 1 – continued from previous page

The desktop mode was immersive	Number of participants
Strongly Disagree	0
Disagree	1
Somewhat Disagree	0
Neutral	2
Somewhat Agree	4
Agree	1
Strongly Agree	0
Total	8

Table 2 Improvement experiment results, Part 2 (immersive)

The wearable harness was comfortable	Number of participants
Strongly Disagree	0
Disagree	0
Somewhat Disagree	2
Neutral	1
Somewhat Agree	3
Agree	2
Strongly Agree	0
Total	8

The simulated force-feedback was comparable to real tactile feel	Number of participants
Strongly Disagree	0
Disagree	0
Somewhat Disagree	0
Neutral	0
Somewhat Agree	1
Agree	6
Strongly Agree	1
Total	8

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Table 2 – continued from previous page

The VR mode was immersive	Number of participants
Strongly Disagree	0
Disagree	0
Somewhat Disagree	0
Neutral	0
Somewhat Agree	0
Agree	3
Strongly Agree	5
Total	8

In terms of combination of user inputs, the hand tracking, and pen interactivity, this interaction was ...	Number of participants
Unusable	0
Cumbersome	1
Imprecise	0
Acceptable	2
Usable	7
Natural	0
Total (multiple answers could be selected)	10

Can our set-up be used for CAD?	Number of participants
Yes	8
No	0
Total	8

How would you rate your overall experience?	Number of participants
Score 10	2
Score 9	2
Score 8	2
Score 7	2
Score 6	0
Score 5 or less	0
Total	8