Evaluation User Study

User information

1. User ID *

   _____

2. Gender *

   _____

3. Age *

   _____

4. Major/Background *

   _____

5. Have you ever used CAD software? Please rate your prior CAD experience. *

   Mark only one oval.

	1	2	3	4	5	
no experience	⬭	⬭	⬭	⬭	⬭	a lot of experience

6. Have you ever used Leap Motion? Please rate your prior Leap Motion experience. *

   Mark only one oval.

	1	2	3	4	5	
no experience	⬭	⬭	⬭	⬭	⬭	a lot of experience

Please rate how much you like the hand gestures for the following tasks or the functional characteristic of our interface.

7. Gesture for creating swing door *

	1	2	3	4	5	
strongly dislike	◯	◯	◯	◯	◯	strongly like

8. Gesture for creating sliding door *

	1	2	3	4	5	
strongly dislike	◯	◯	◯	◯	◯	strongly like

9. Gesture for creating drop-down door/ fold-desk/ shoe cabinet *

	1	2	3	4	5	
strongly dislike	◯	◯	◯	◯	◯	strongly like

10. Gesture for creating drawer *

	1	2	3	4	5	
strongly dislike	◯	◯	◯	◯	◯	strongly like

11. Gesture for creating wheels *

	1	2	3	4	5	
strongly dislike	◯	◯	◯	◯	◯	strongly like

12. Gesture for creating drop-leaf *

Mark only one oval.

	1	2	3	4	5	
strongly dislike	◯	◯	◯	◯	◯	strongly like

13. Gesture for creating keyboard tray *

Mark only one oval.

	1	2	3	4	5	
strongly dislike	◯	◯	◯	◯	◯	strongly like

14. Gesture for creating plank *

Mark only one oval.

	1	2	3	4	5	
strongly dislike	◯	◯	◯	◯	◯	strongly like

15. Gesture for creating clothes rail *

Mark only one oval.

	1	2	3	4	5	
strongly dislike	◯	◯	◯	◯	◯	strongly like

16. Gesture for creating legs *

Mark only one oval.

	1	2	3	4	5	
strongly dislike	◯	◯	◯	◯	◯	strongly like

17. Gesture for creating ladder *

Mark only one oval.

	1	2	3	4	5	
strongly dislike	○	○	○	○	○	strongly like

18. Gesture for translating *

Mark only one oval.

	1	2	3	4	5	
strongly dislike	○	○	○	○	○	strongly like

19. Gesture for scaling *

Mark only one oval.

	1	2	3	4	5	
strongly dislike	○	○	○	○	○	strongly like

20. Gesture for deleting object *

Mark only one oval.

	1	2	3	4	5	
strongly dislike	○	○	○	○	○	strongly like

21. Gesture for changing object *

Mark only one oval.

	1	2	3	4	5	
strongly dislike	○	○	○	○	○	strongly like

22. Auto composition *

Mark only one oval.

	1	2	3	4	5	
strongly dislike	◯	◯	◯	◯	◯	strongly like

23. Interactive animation *

Mark only one oval.

	1	2	3	4	5	
strongly dislike	◯	◯	◯	◯	◯	strongly like

Please rate how much you agree with the following statements.

24. It is easy to remember the gesture/motion commands. *

Mark only one oval.

	1	2	3	4	5	
Strongly disagree	◯	◯	◯	◯	◯	Strongly agree

25. It is easy to use the modeling system. *

Mark only one oval.

	1	2	3	4	5	
Strongly disagree	◯	◯	◯	◯	◯	Strongly agree

26. It is efficient to model with the system. *

Mark only one oval.

	1	2	3	4	5	
Strongly disagree	◯	◯	◯	◯	◯	Strongly agree

27. I cannot do the same modeling with other systems. *

Mark only one oval.

	1	2	3	4	5	
Strongly disagree	◯	◯	◯	◯	◯	Strongly agree

Others

28. What characteristic(s) of our interface do you like?

_____

_____

_____

_____

_____

29. What characteristic(s) of our interface do you dislike?

_____

_____

_____

_____

_____

30. Do you have any suggestion(s) for our interface?

_____

_____

_____

_____

_____