

PART 1: THIN SHELL TOOL

Participant ID _____

What did you find fun or interesting about this tool?

Please rate the following potential features from 1-5, where 1 is not useful and 5 is incredibly useful:

- _____ save/open dialog
- _____ change the height of points
- _____ visualization of the difference between an imported mesh and the optimized mesh
- _____ visualization of materials used in the structure
- _____ visualization of thickness of the structure

Please list any other features that would have been useful in designing thin-shell structures.

Describe or sketch some designs that you were not able to create due to time or system limitations.

PART 2: DESIGN METHOD COMPARISON

Participant ID _____

Rate the usefulness of different methods for design in the following scenarios. **5 is "highly useful" and 1 is "not useful at all"**.

Schematic Design (early-stage architectural design)

5	4	3	2	1	paper & pencil sketching
5	4	3	2	1	traditional computer software
5	4	3	2	1	thin-shell design tool
5	4	3	2	1	other: _____

Team design meetings with architects & engineering consultants

5	4	3	2	1	paper & pencil sketching
5	4	3	2	1	traditional computer software
5	4	3	2	1	thin-shell design tool
5	4	3	2	1	other: _____

Presentation of preliminary or final designs to the client

5	4	3	2	1	paper & pencil sketching
5	4	3	2	1	traditional computer software
5	4	3	2	1	thin-shell design tool
5	4	3	2	1	other: _____

Additional comments or scenarios where these methods are most useful

Paper & pencil sketching:

Traditional computer software:

Thin-shell design tool:

PARTICIPANT BACKGROUND & EXPERIENCE

Participant ID _____

Completed degree(s): _____

Degree(s) in progress: _____

of years of
architectural
education: _____

of years of
visual arts education: _____

of years of
architectural experience
(internships/jobs): _____

of years of
visual arts experience
(internships/jobs): _____

other relevant
education/experience
(please describe): _____

CONSENT FOR PUBLICATION

After reviewing and annotating the camera images and detected design geometry:

_____ I give permission for use of any or all of the camera images, design geometries, my annotated sketches, and my comments in academic publications. This information will be anonymous and my participation in the study will not be revealed.

_____ I give permission for use of selected information. (please describe)

_____ I do not give permission for use of any of this information at this time.

PARTICIPANT CONTACT INFORMATION

Participant ID _____

RPI requires us to collect the following basic contact information from all participants in this user study. Your participation will remain confidential, and this portion of the record will be securely stored by Professor Barbara Cutler.

Name: _____

E-mail: _____

Home mailing address: _____

Participants for this study will be compensated for their time in the form of a gift certificate at the rate of \$10 per hour. This compensation is not contingent upon the subject completing the entire study and will be prorated if the subject withdraws. For IRS income reporting purposes, RPI must also collect the social security number and RIN number of participants who accept compensation.

Social Security number: _____

RIN number: _____

_____ I decline the compensation

Thanks for participating in our user study!

<http://www.cs.rpi.edu/graphics/daylighting/>

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