

PART 1: THIN SHELL TOOL

Participant ID _____

What did you think was useful or interesting about this tool?

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

- ___ save/open dialog
- ___ option to 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 structures that you were unable to create due to limitations of the software.

PART 2: DESIGN METHOD COMPARISON

Participant ID _____

Rate the usefulness of various design tools in the following scenarios from 1-5, where 1 is not useful at all and 5 is highly useful:

Schematic Design (early-stage architectural design)

- ___ paper & pencil sketching
- ___ traditional computer software
- ___ thin-shell design tool

Team design meetings with architects & engineering consultants

- ___ paper & pencil sketching
- ___ traditional computer software
- ___ thin-shell design tool

Presentation of preliminary or final designs to the client

- ___ paper & pencil sketching
- ___ traditional computer software
- ___ thin-shell design tool

Additional comments or scenarios where these methods are most useful

Paper & pencil sketching:

Traditional computer software:

Thin-shell design tool:

Are there any other design tools that would be more useful than those listed above in any of the scenarios?

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 completing this survey:

_____ I give permission for use of any or all of the thin-shell designs 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!

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