

Surface Regions of Interest for Viewpoint Selection - Supplementary

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We ran our viewpoint selection algorithm on 79 meshes. This file shows our results. For 42 models our algorithm generated a single viewpoint, for 32 models two viewpoints, and for 5 models three viewpoints. The tables below show all these cases. As describes in the paper, we conducted a user study in order to evaluate our results. The fourth column of the tables indicates when our views matched those of the evaluators.

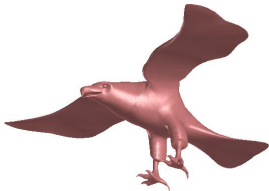
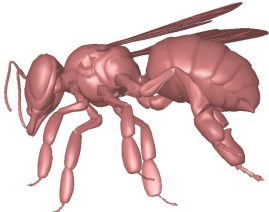
View #1	View #2	View #3	Matching the survey?
			match
			match
			match
			match

Table 1. **Category: Animals.** - The views generated by our algorithm, from the most informative (left) to the least.

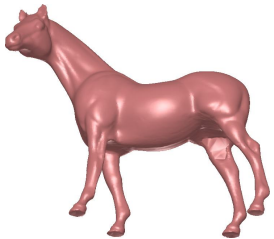
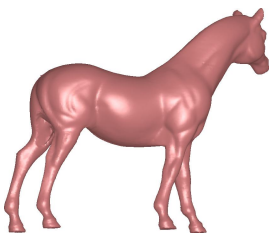
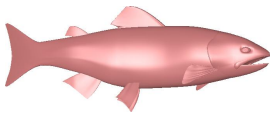
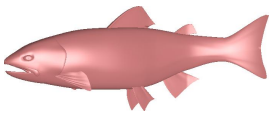
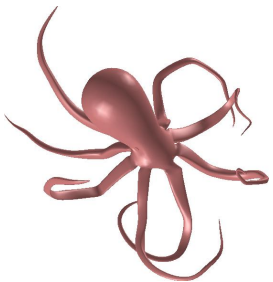
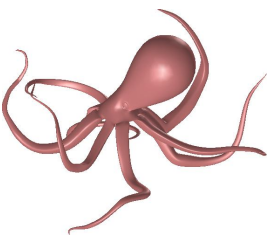
View #1	View #2	View #3	Matching the survey?
			match
			match
			match
			match
			match
			match, second view

Table 2. **Category: Animals (cont')**. - The views generated by our algorithm, from the most informative (left) to the least.

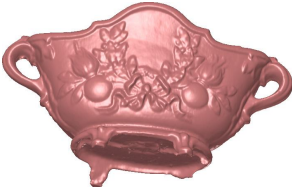
View #1	View #2	View #3	Matching the survey?
			match
			match
			match
			match
			match

Table 3. **Category: Artifacts.** - The views generated by our algorithm, from the most informative (left) to the least.

View #1	View #2	View #3	Matching the survey?
			match
			match
			match
			match

Table 4. **Category: Sculptures.** - The views generated by our algorithm, from the most informative (left) to the least.

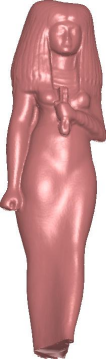
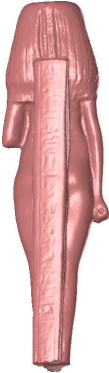
View #1	View #2	View #3	Matching the survey?
			match
			match
			match
			match

Table 5. **Category: Sculptures (cont')**. - The views generated by our algorithm, from the most informative (left) to the least.

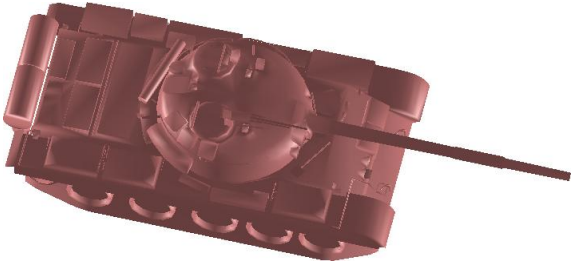
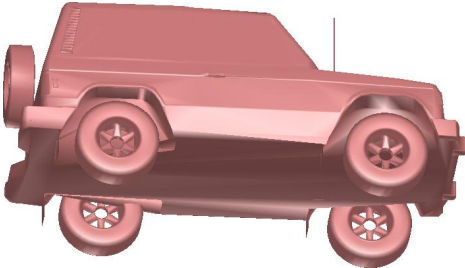
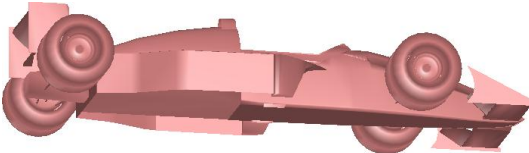
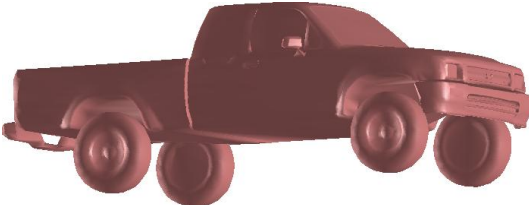
View #1	View #2	View #3	Matching the survey?
			failure
			match
			match
			match

Table 6. **Category: Cars.** - The views generated by our algorithm, from the most informative (left) to the least.

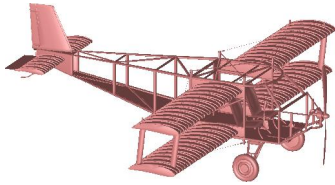
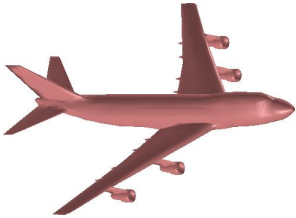
View #1	View #2	View #3	Matching the survey?
			match
			match
			match
			match
			match
			match
			match

Table 7. **Category: Other Vehicles.** - The views generated by our algorithm, from the most informative (left) to the least.

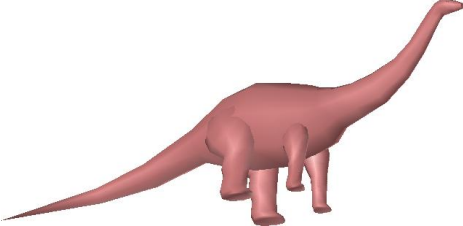
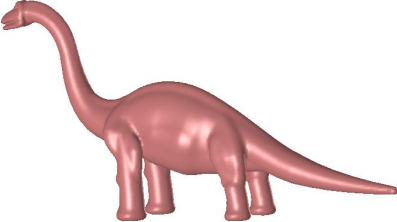
View #1	View #2	View #3	Matching the survey?
			match
			match
			match
			match
			match

Table 8. **Category: Creatures.** - The views generated by our algorithm, from the most informative (left) to the least.

View #1	View #2	View #3	Matching the survey?
			match
			match
			match

Table 9. **Category: Creatures (cont')**. - The views generated by our algorithm, from the most informative (left) to the least.

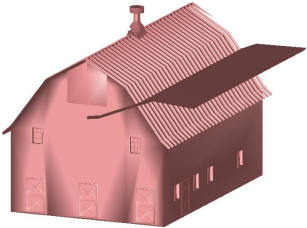
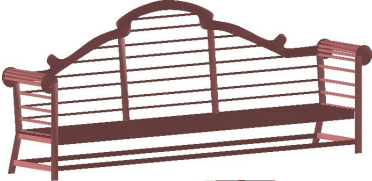
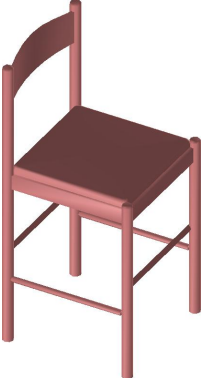
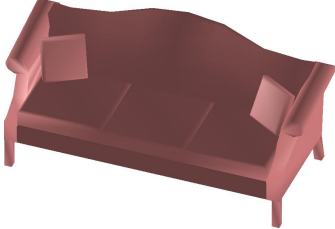
View #1	View #2	View #3	Matching the survey?
			match
			match
			match
			match
			match

Table 10. **Category: Furniture.** - The views generated by our algorithm, from the most informative (left) to the least.

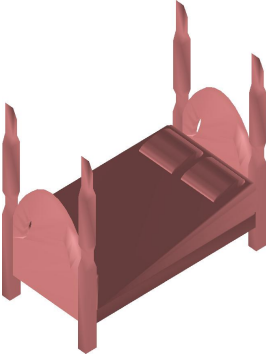
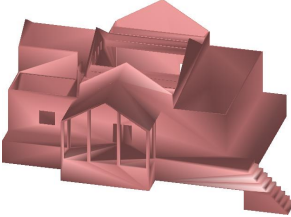
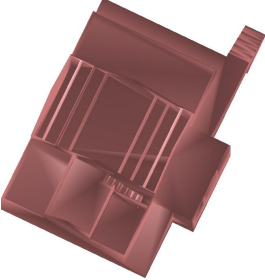
View #1	View #2	View #3	Matching the survey?
			match
			match
			match

Table 11. **Category: Furniture (cont’)**. - The views generated by our algorithm, from the most informative (left) to the least.

View #1	View #2	View #3	Matching the survey?
			match
			match
			match
			match

Table 12. **Category: Human.** - The views generated by our algorithm, from the most informative (left) to the least.

View #1	View #2	View #3	Matching the survey?
			match
			match

Table 13. **Category: Human (cont’)**. - The views generated by our algorithm, from the most informative (left) to the least.

View #1	View #2	View #3	Matching the survey?
			match
			match
			match
			match

Table 14. **Category: Tools.** - The views generated by our algorithm, from the most informative (left) to the least.

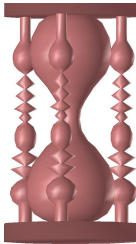
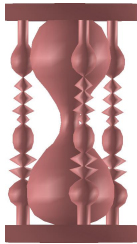
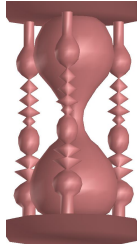
View #1	View #2	View #3	Matching the survey?
			match
			match
			match

Table 15. **Category: Tools (cont’)**. - The views generated by our algorithm, from the most informative (left) to the least.

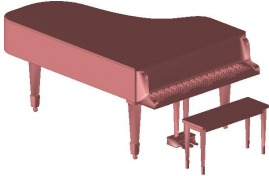
View #1	View #2	View #3	Matching the survey?
			match
			match
			match
			match
			match
			match
			match
			match

Table 16. **Category: Miscellaneous Accessories and Instruments.** - The views generated by our algorithm, from the most informative (left) to the least.

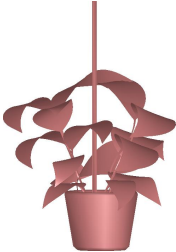
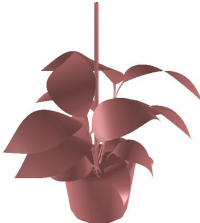
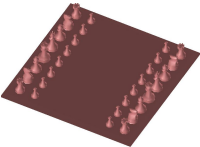
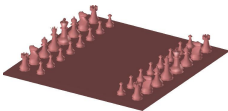
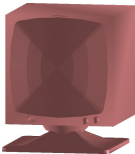
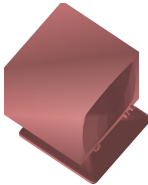
View #1	View #2	View #3	Matching the survey?
			match
			match
			match
			match, second view
			match
			match
			match, second view
			match

Table 17. **Category: Miscellaneous Accessories and Instruments (cont')**. - The views generated by our algorithm, from the most informative (left) to the least.