

**SUPPLEMENTARY MATERIAL**  
for  
**Discriminative Sketch-based 3D Model Retrieval via Robust Shape Matching**

**Appendix A: The constitution of our database of 5,000 models.**

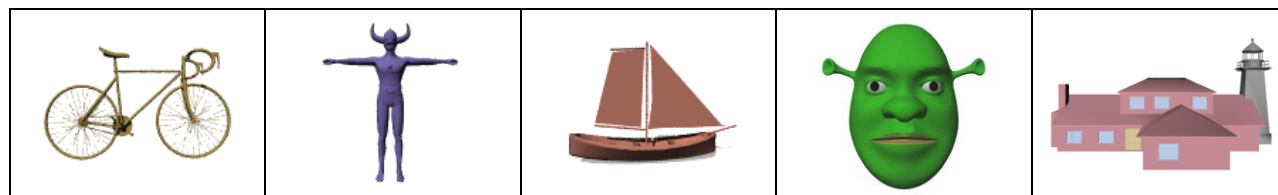
General Model Type	Number
Aircraft	522
Human	489
Animal	481
Building	344
Car	306
Bicycle	230
Container	223
Plant	212
Bath	185
Human Body Part	174
Ship	156
Musical Instrument	154
Hot Weapon	152
Shoe	143
Chair	136
Sofa	116
Desk	106
Cold Weapon	104
Machinery Part	92
Lamp	86
Train	74
Cabinet	69
Computer	47
Bed	34
Chess	27
Hat	26
Bench	22
Miscellaneous	290

## Appendix B: Selected models for precision/recall and performance statistics

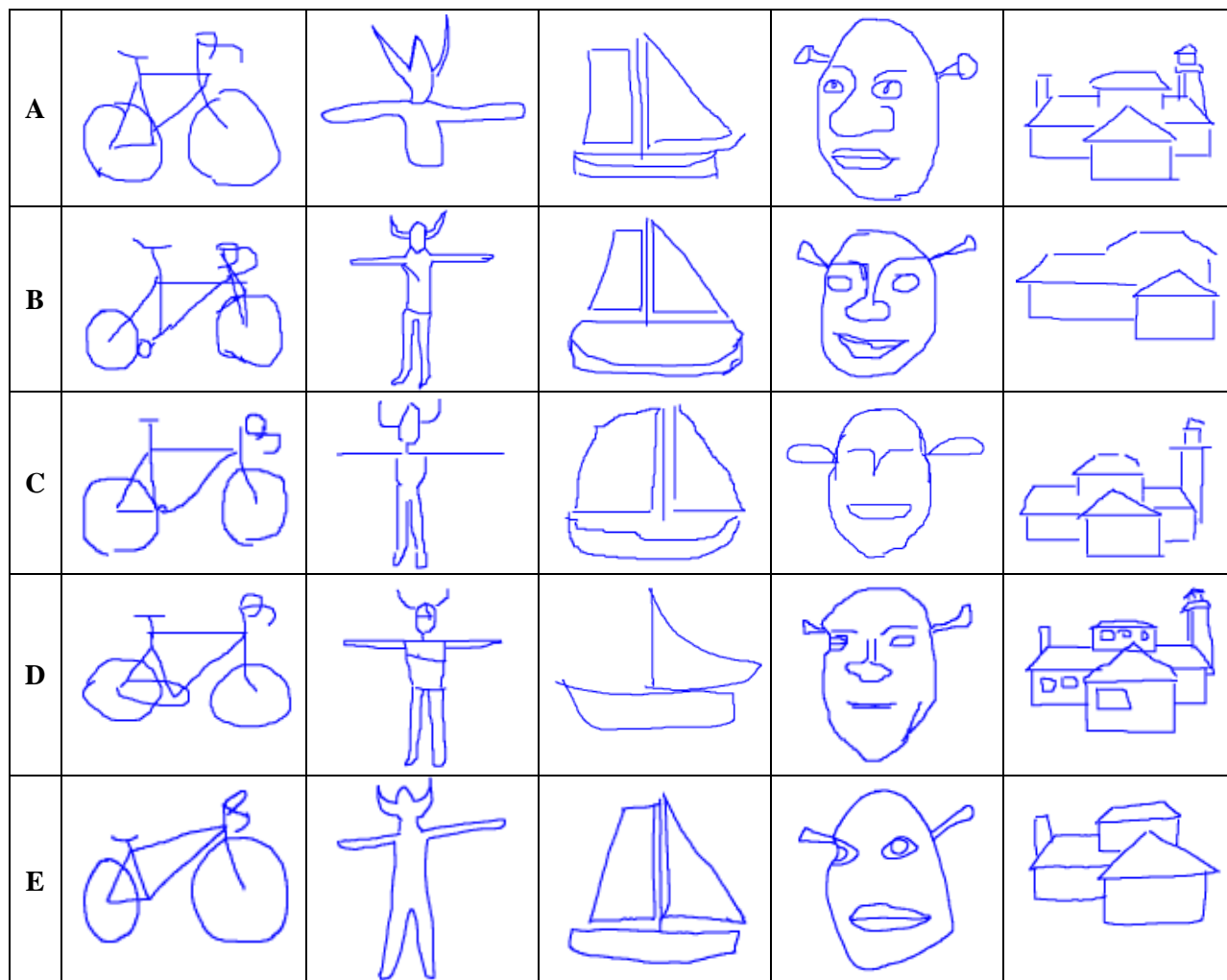


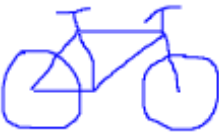






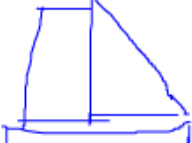












**Appendix C: User-drawn sketches in our user study**

**Fronts views of five target models:**



**User-drawn sketches:**



F					
G					
H					
I					
J	