

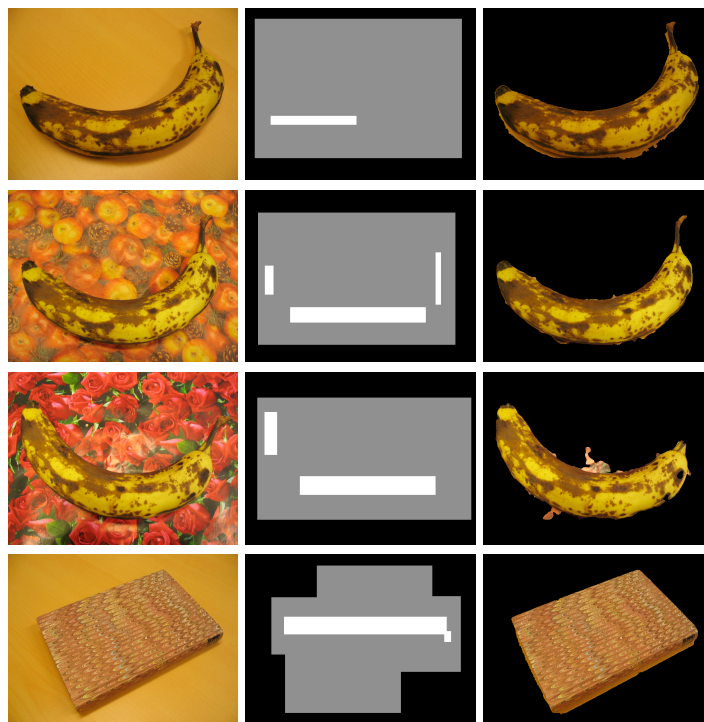
Appendix G

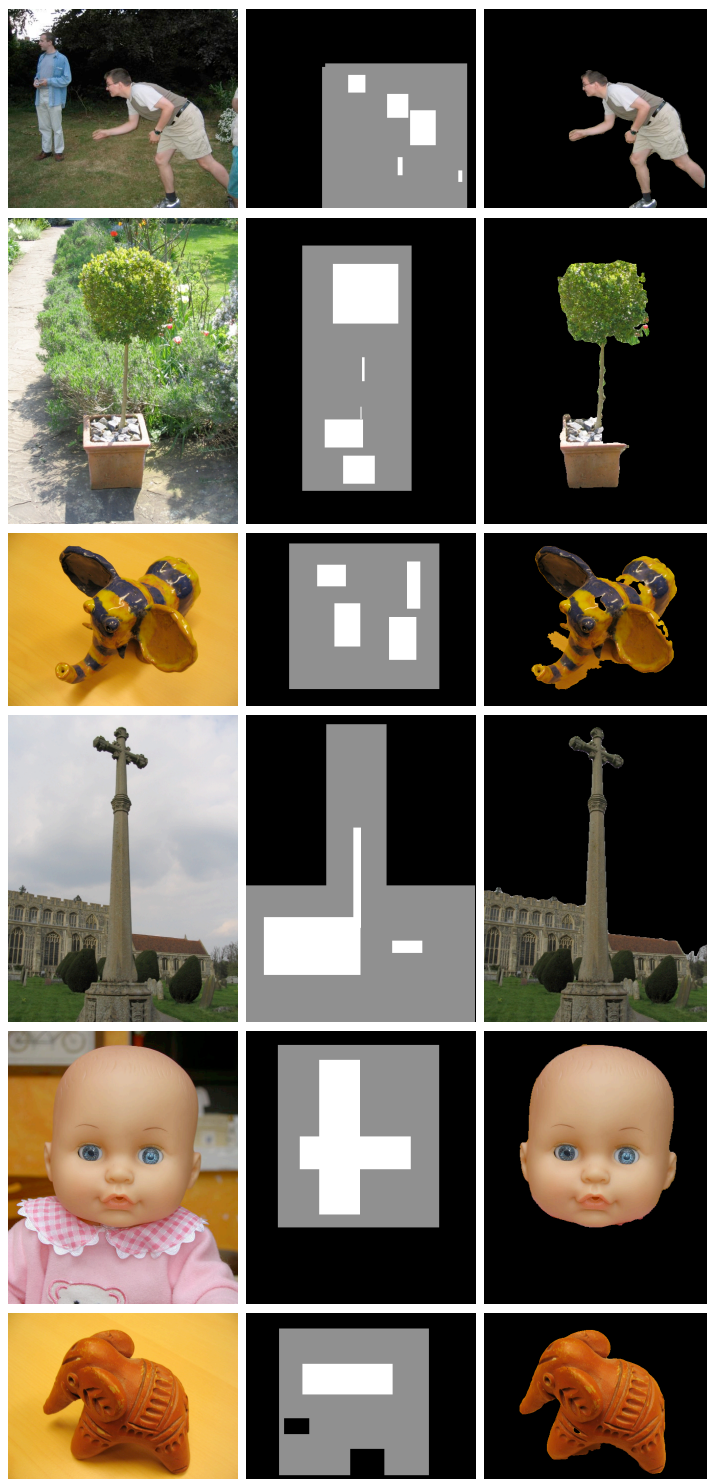
SIOX Benchmark Results

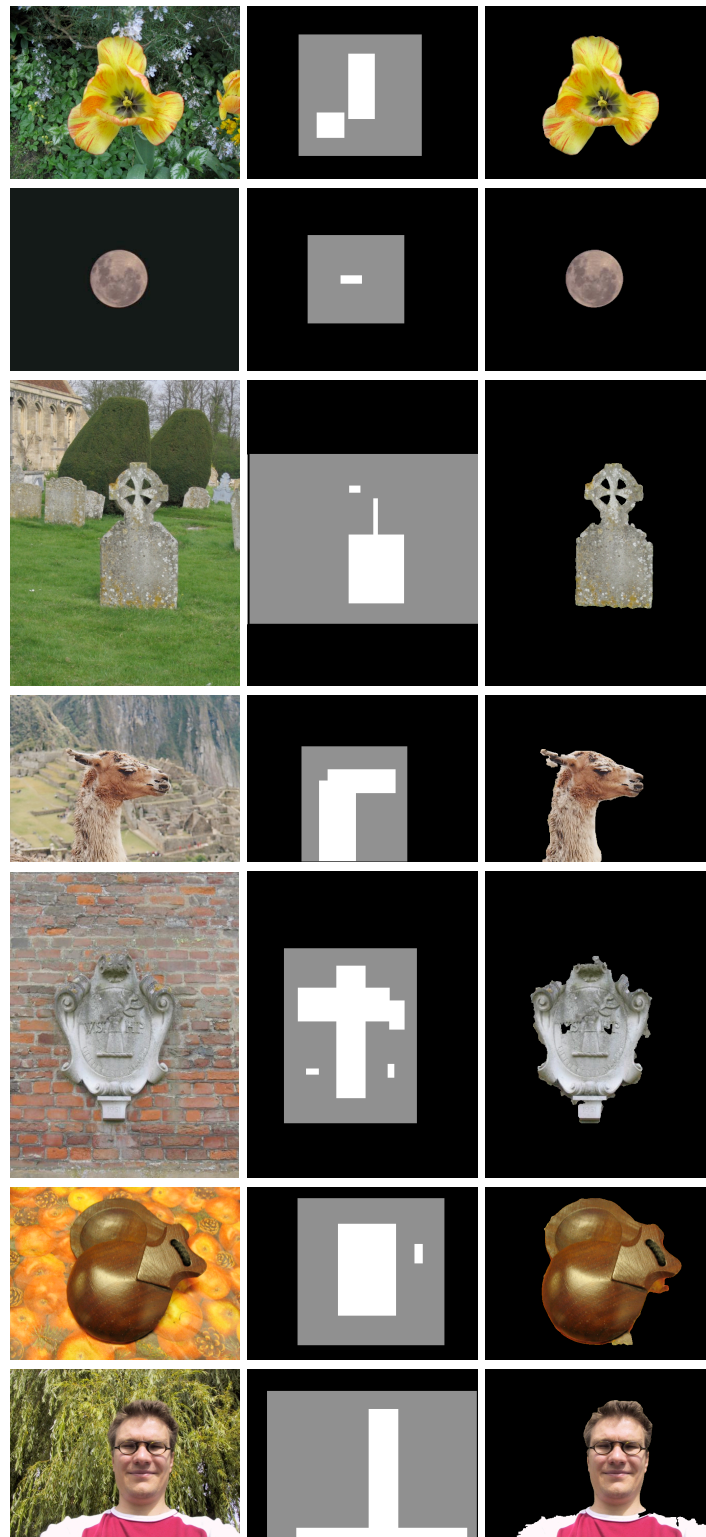
The following two sections present detailed best-case results of applying the SIOX algorithm to the image dataset by [Blake et al., 2004, Martin et al., 2001]. For a detailed explanation, please refer to Section 10.7. The images and the results appear in the same order as referenced in all tables and diagrams throughout this document.

G.1 Input and Output Images

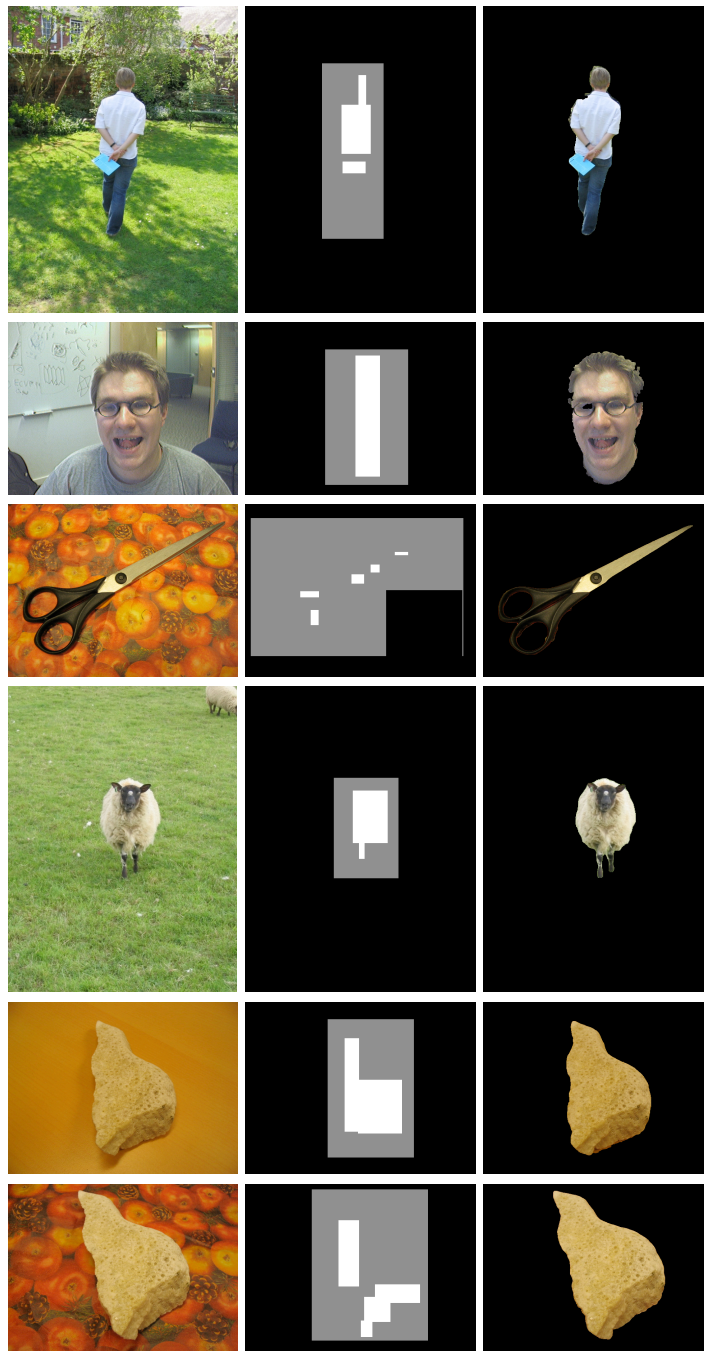
Below are the 50 images of the benchmark dataset (retrieved from [35]), along with the rectangle trimaps created as described in Section 10.7 (downloadable at [48]), and the segmentation result.

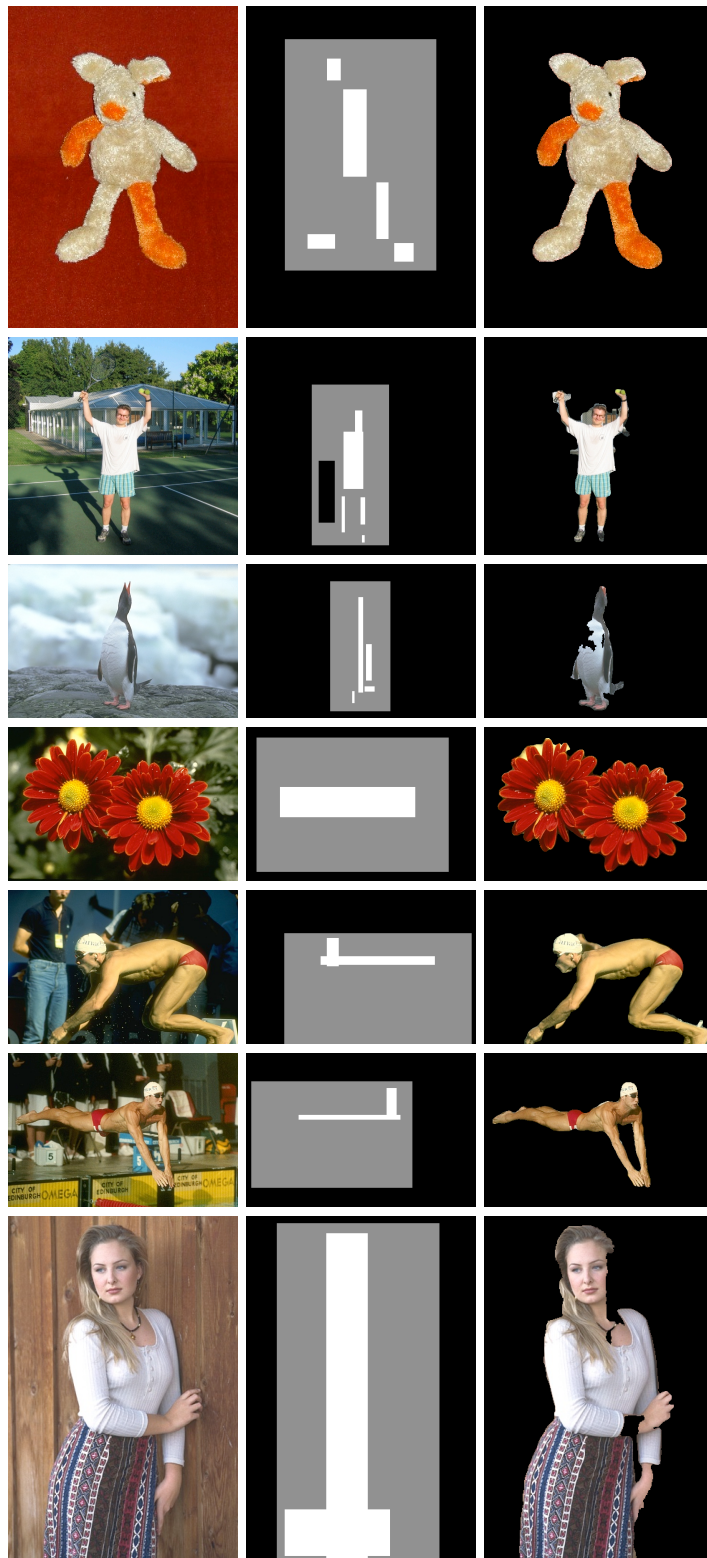


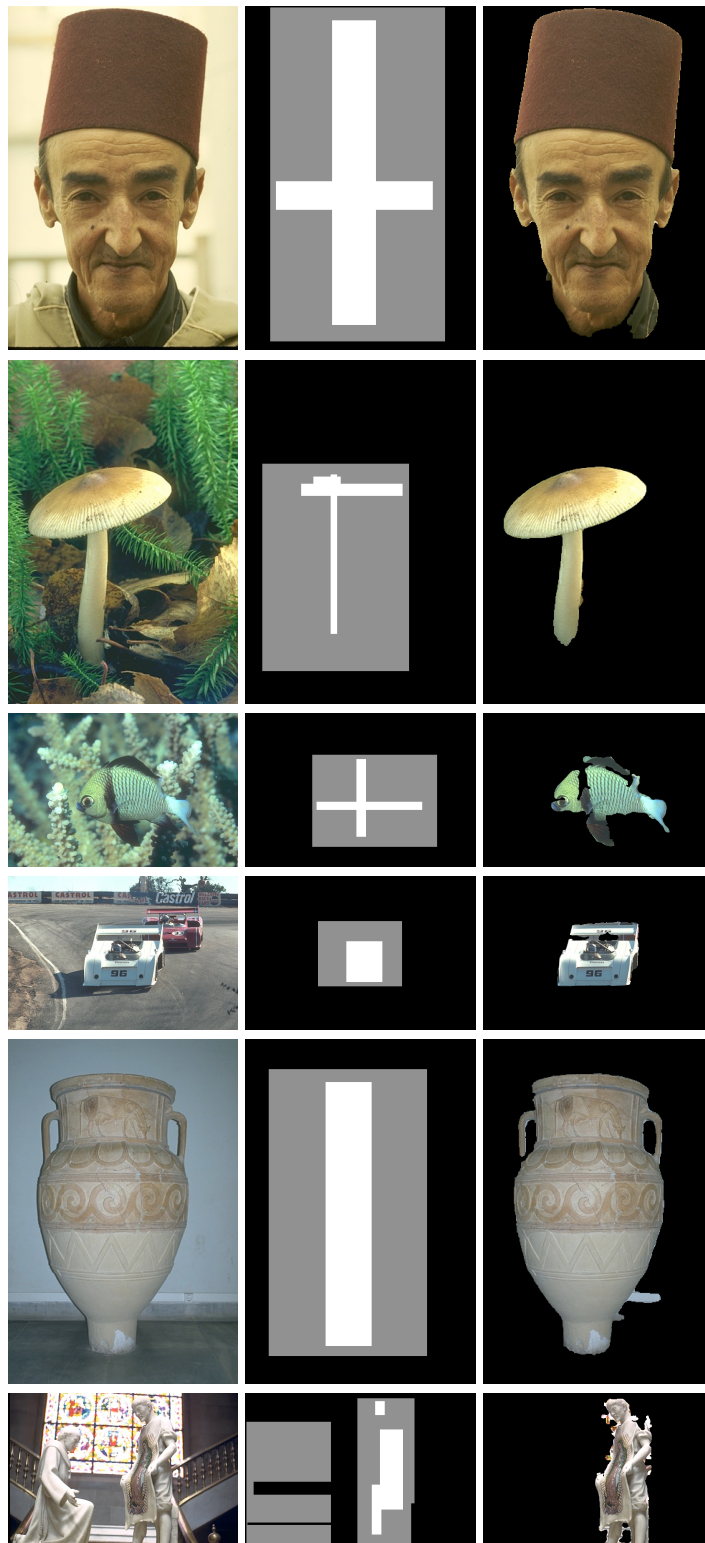


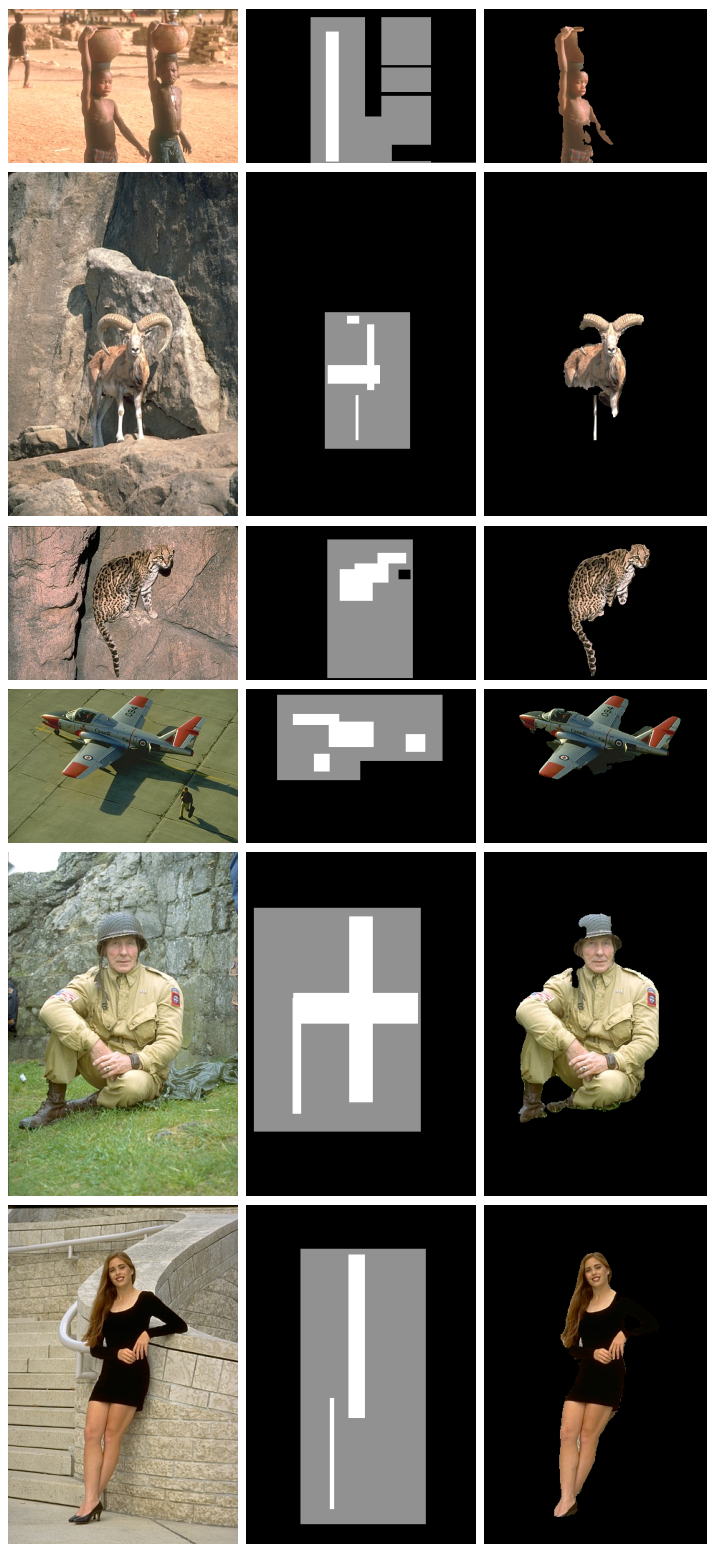


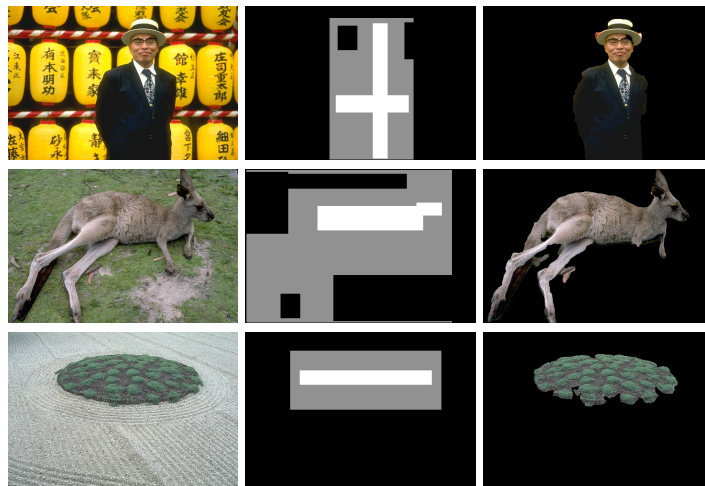












G.2 Detailed Results

Image Name	Pixels to classify	Wrong Pixels	Error
banana1.bmp	217336	5104	2.348 %
banana2.bmp	181541	1363	0.751 %
banana3.bmp	177310	6780	3.824 %
book.bmp	149236	5753	3.855 %
bool.jpg	89436	1355	1.515 %
bush.jpg	80140	8830	11.018 %
ceramic.bmp	141541	9020	6.373 %
cross.jpg	131367	2784	2.119 %
doll.bmp	84100	261	0.310 %
elefant.bmp	138369	1485	1.073 %
flower.jpg	84638	714	0.844 %
fullmoon.bmp	30609	8	0.026 %
grave.jpg	133324	996	0.747 %
llama.bmp	39243	1860	4.740 %
memorial.jpg	63443	5419	8.542 %
music.JPG	123759	3701	2.990 %
person1.jpg	178285	1371	0.769 %
person2.bmp	52214	471	0.902 %
person3.jpg	48819	934	1.913 %
person4.jpg	65989	2058	3.119 %
person5.jpg	27659	1887	6.822 %
person6.jpg	57223	4063	7.100 %
person7.jpg	33783	590	1.746 %
person8.bmp	63632	3456	5.431 %
scissors.JPG	183373	3159	1.723 %
sheep.jpg	17477	210	1.202 %
stone1.JPG	63949	638	0.998 %
stone2.JPG	113080	184	0.163 %
teddy.jpg	47677	956	2.005 %
tennis.jpg	36907	3106	8.416 %
106024.jpg	30888	2541	8.226 %
124084.jpg	94731	2024	2.137 %
153077.jpg	85225	6210	7.287 %
153093.jpg	71508	1524	2.131 %
181079.jpg	74573	6979	9.359 %
189080.jpg	81215	3791	4.668 %
208001.jpg	54619	1493	2.733 %
209070.jpg	43280	5051	11.671 %
21077.jpg	17425	1882	10.801 %
227092.jpg	64448	2403	3.729 %
24077.jpg	66354	3200	4.823 %
271008.jpg	58207	4234	7.274 %
304074.jpg	19732	3037	15.391 %
326038.jpg	43581	1799	4.128 %
37073.jpg	44911	3667	8.165 %
376043.jpg	56738	3003	5.293 %
388016.jpg	61026	1320	2.163 %
65019.jpg	34973	3431	9.810 %
69020.jpg	69878	4413	6.315 %
86016.jpg	30495	1510	4.952 %
Total:	3959266	142028	3.587 %