Sift Flow Confusion Matrix (Initial Maximum Likelihood)

Entry in row i and column j is the proportion of pixels from class i that got labeled as class j

Pixel Rate: 0.732

Avgerage Rate: 0.291

Class	# Pixels	sky	building	tree	mountain	road	sea	field	car	sand	river	plant	grass	window	sidewalk	rock	bridge	door	fence	person	staircase	awning	sign	boat	crosswalk	pole	bus	balcony	streetlight	sun	bird	cow	desert	moon
sky	3310707	.92	.03	.01	.03	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
building	2466632	.04	.81	.04	.04	.02	.00	.01	.01	.00	.00	.00	.00	.01	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
tree	1546423	.01	.06	.82	.04	.00	.00	.02	.01	.00	.00	.02	.01	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
mountain	1521166	.05	.02	.13	.65	.01	.03	.07	.00	.00	.01	.01	.01	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.00
road	847289	.00	.06	.03	.02	.79	.01	.01	.04	.00	.00	.00	.00	.00	.02	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
sea	685526	.08	.01	.00	.02	.06	.71	.03	.00	.06	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.01	.00
field	445639	.00	.00	.02	.03	.03	.07	.48	.00	.03	.01	.03	.22	.00	.00	.01	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.07	.00
car	200815	.01	.29	.03	.02	.10	.02	.03	.46	.00	.00	.00	.00	.00	.00	.01	.00	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
sand	172789	.02	.00	.00	.02	.20	.38	.00	.00	.38	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
river	167360	.00	.04	.12	.06	.39	.13	.09	.01	.00	.09	.00	.00	.00	.01	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
plant	162314	.00	.01	.55	.04	.00	.01	.28	.02	.00	.00	.02	.01	.00	.00	.04	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00
grass	149532	.00	.04	.44	.02	.03	.00	.14	.01	.00	.06	.01	.25	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
window	130769	.00	.74	.02	.00	.01	.00	.01	.00	.00	.00	.00	.00	.18	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00
sidewalk	108519	.00	.28	.03	.02	.27	.01	.00	.04	.01	.00	.00	.03	.01	.31	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
rock	103442	.02	.02	.33	.19	.02	.16	.10	.00	.01	.03	.01	.02	.00	.00	.09	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.00
bridge	43998	.10	.14	.00	.05	.03	.20	.20	.01	.03	.00	.00	.00	.00	.00	.14	.06	.00	.04	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
door	31403	.00	.53	.01	.00	.00	.00	.01	.03	.00	.00	.00	.00	.25	.00	.00	.00	.17	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
fence	29451	.04	.07	.25	.04	.19	.07	.00	.05	.00	.00	.03	.01	.01	.00	.00	.01	.00	.25	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
person	28457	.00	.38	.18	.21	.02	.05	.00	.10	.00	.00	.00	.00	.03	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00
staircase	22127	.00	.80	.03	.00	.03	.00	.00	.01	.00	.00	.01	.00	.01	.00	.00	.00	.00	.00	.00	.10	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
awning	13876	.00	.87	.04	.04	.00	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.04	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
sign	13317	.43	.27	.03	.04	.08	.05	.00	.01	.01	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.08	.00
boat	7474	.13	.24	.03	.02	.00	.23	.00	.07	.00	.00	.02	.01	.00	.00	.14	.00	.00	.00	.00	.00	.08	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.00
crosswalk	6361	.00	.31	.00	.00	.27	.00	.00	.17	.00	.00	.00	.00	.00	.02	.00	.07	.00	.00	.00	.00	.00	.00	.00	.16	.00	.00	.00	.00	.00	.00	.00	.00	.00
pole	4446	.21	.48	.09	.00	.01	.00	.08	.03	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.10	.00	.00	.00	.00	.00
bus	4192	.01	.17	.33	.05	.02	.00	.00	.04	.00	.00	.04	.00	.35	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
balcony	3291	.00	.97	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00
streetlight	2967	.32	.32	.10	.01	.01	.00	.18	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
sun	1258	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.0	.00	.00	.00	.00
bird	53	.87	.00	.00	.13	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

Sift Flow Confusion Matrix (Final Geometric/Semantic MRF)

Entry in row i and column j is the proportion of pixels from class i that got labeled as class j

Pixel Rate: 0.769

Avgerage Rate: 0.294

Class	# Pixels	sky	building	tree	mountain	road	sea	field	car	sand	river	plant	grass	window	sidewalk	rock	bridge	door	fence	person	staircase	awning	sign	boat	crosswalk	pole	bus	balcony	streetlight	sun	bird	cow	desert	moon
sky	3310707	.92	.03	.02	.02	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
building	2466632	.03	.88	.03	.03	.01	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
tree	1546423	.01	.08	.84	.04	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
mountain	1521166	.05	.01	.12	.73	.01	.03	.05	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00
road	847289	.01	.06	.04	.01	.81	.01	.01	.04	.00	.00	.00	.00	.00	.02	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
sea	685526	.06	.00	.00	.02	.00	.85	.03	.00	.04	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00
field	445639	.00	.00	.04	.02	.03	.09	.54	.00	.00	.00	.02	.23	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.00
car	200815	.01	.38	.03	.00	.10	.01	.03	.43	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
sand	172789	.00	.00	.00	.01	.15	.56	.00	.00	.28	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
river	167360	.00	.03	.16	.13	.39	.13	.02	.00	.00	.13	.00	.00	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
plant	162314	.00	.01	.59	.02	.01	.02	.25	.02	.00	.00	.02	.02	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
grass	149532	.01	.05	.40	.00	.03	.00	.01	.01	.00	.00	.00	.49	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
window	130769	.00	.87	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.08	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
sidewalk	108519	.00	.35	.03	.00	.24	.01	.00	.01	.01	.00	.00	.03	.00	.31	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
rock	103442	.01	.00	.48	.19	.00	.24	.03	.00	.00	.01	.00	.00	.00	.00	.04	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
bridge	43998	.09	.24	.00	.22	.00	.17	.05	.00	.00	.00	.00	.00	.00	.00	.15	.01	.00	.07	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
door	31403	.00	.82	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.11	.00	.00	.00	.06	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
fence	29451	.04	.10	.27	.02	.22	.01	.02	.01	.00	.00	.00	.03	.00	.00	.00	.00	.00	.28	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
person	28457	.00	.49	.05	.28	.02	.06	.00	.09	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
staircase	22127	.00	.92	.00	.00	.08	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
awning	13876	.00	.93	.03	.00	.00	.00	.00	.04	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
sign	13317	.42	.40	.08	.01	.05	.01	.00	.01	.00	.00	.00	.00	.00	.01	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
boat	7474	.00	.33	.16	.02	.00	.49	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
crosswalk	6361	.00	.17	.00	.00	.59	.00	.00	.07	.00	.00	.00	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.15	.00	.00	.00	.00	.00	.00	.00	.00	.00
pole	4446	.34	.54	.00	.00	.01	.00	.08	.03	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
bus	4192	.01	.66	.33	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
balcony	3291	.00	1.0	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
streetlight	2967	.36	.44	.00	.02	.01	.00	.17	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
sun	1258	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.0	.00	.00	.00	.00
bird	53	1.0	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00