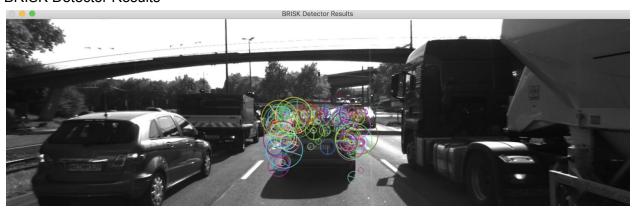
Performance Evaluation

MP.7 Different Detectors and number of keypoints detected

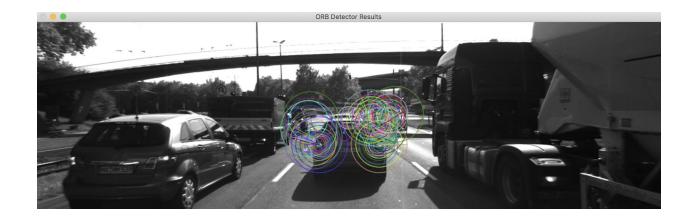
Image Index	0	1	2	3	4	5	6	7	8	9	Averag e
AKAZE	166	157	161	155	163	164	173	175	177	179	167
BRISK	264	282	282	277	297	279	289	272	266	254	276.2
FAST	149	152	150	155	149	149	156	150	138	143	149.1
HARRI S	0	0	0	0	0	0	0	0	0	0	0
ORB	92	102	106	113	109	125	130	129	127	128	116.1
SHITO MASI	125	118	123	120	120	113	114	123	111	112	117.9
SIFT	138	132	124	137	134	140	137	148	159	137	138.6

BRISK and ORB seems to have the maximum density of keypoints.

BRISK Detector Results



ORB Detector Results



MP.8 Number of Matches for all Detector/Descriptor combination

	BRIEF	ORB	FREAK	AKAZE	SIFT	BRISK
AKAZE	108	131	126	138	134	126
BRISK	138	162	160	NA	182	138
FAST	97	118	98	NA	118	80
HARRIS	0		0	NA	0	0
ORB	37	67	42	NA	67	60
SHITOMASI	95	106	86	NA	112	84
SIFT	64	NA	65	NA	82	57

MP.9 Time for Keypoint Detection

AKAZE	BRISK	FAST	HARRIS	ORB	SHITOMASI	SIFT
79.09	140.145	1.56	13.8	36.16	11.28	72.92

Time for Description Extraction

BRISK	ORB	FREAK	AKAZE	SIFT	BRISK
4.09	1.55	27.16	44.5	25.16	1.43

Final Analysis

BRISK/SIFT - For maximum number of matches

FAST/ORB - For good enough matches and total time to be very fast.

SHITOMASI/ORB - Next best number of matches and the total time to be fast.