

approaches on both synthetic and real dataset.



Stop Sign			Lucent			MacMini Board		
$E_{\mathbf{R}}(^{\circ})$	$E_{\mathbf{t}}(\%)$	SR(%)	$E_{\mathbf{R}}(^{\circ})$	$E_{\mathbf{t}}(\%)$	SR(%)	$E_{\mathbf{R}}(^{\circ})$	$E_{\mathbf{t}}(\%)$	SR(%)
69.2	35.3	38	30.1	16.5	72	28.0	13.4	78
5.07	0.74	96	1.90	0.38	100	6.37	2.59	96
2.81	0.91	98	2.62	1.06	98	5.37	2.56	96

Ph	iladelp	hia	Grass			Wall		
$E_{\mathbf{R}}(^{\circ})$	$E_{\mathbf{t}}(\%)$	SR(%)	$E_{\mathbf{R}}(^{\circ})$	$E_{\mathbf{t}}(\%)$	SR(%)	$E_{\mathbf{R}}(^{\circ})$	$E_{\mathbf{t}}(\%)$	SR(%)
13.5	4.57	90	97.3	212	24	17.1	27.3	86
1.16	0.35	100	51.2	16.7	52	2.76	0.36	96
1.95	0.87	100	2.87	1.06	96	6.68	1.64	94