











Spin Signature Generation



Local descriptors of shape Pose invariant Robust to clutter and occlusion









F	Resul	ts % I	mpro	oveme	nt
	Tested fo	our method	s ~ 4000	experimen	ts
• S	I with PC	(SI vs SSI (SIC -	vs SSI) with Ran + SSIC)	ndom Proje	ections
	RO	RC	LO	LC	Time
SSI vs SI	3.36	4.24	4.74	6.68	76.11
	20	25 /1	22.2	33 13	16 12





Current Research

- Recognition of well defined classes of objects based on 3-D shape.
- Use techniques from statistical learning theory (support vector machines) and knowledge from the physiology of learning in humans to achieve categorization, detection and recognition of shape classes.