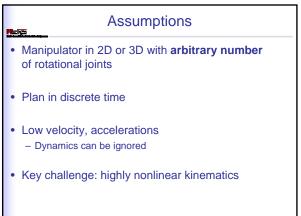
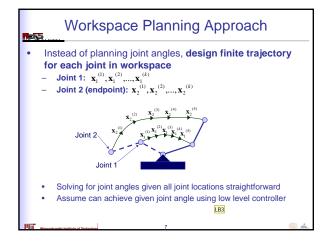


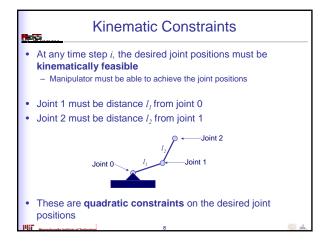
New Approach: Key idea	
Recent methods have posed path planning problem for aircraft as constrained optimization	
 Key ideas: Very simple models of plant are 'sufficient' 	iints
Novel approach for manipulators: Plan directly in workspace using constrained optimization approact No pre-computation necessary Optimal and complete	ch
	10 s

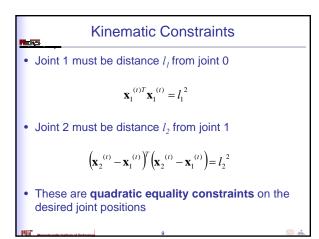


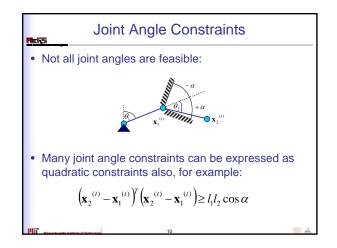
Slide 3

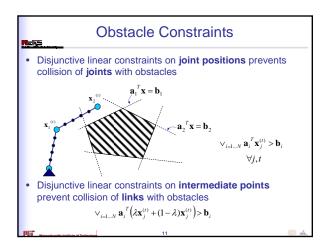
LB1 Note that this is not 'find joint angles to follow an endpoint trajectory' Lars Blackmore, 6/6/2006

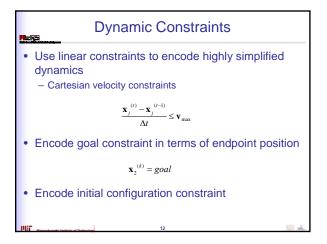




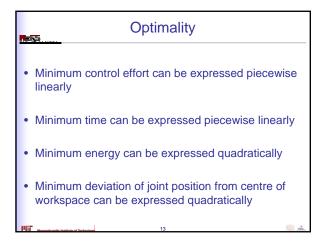


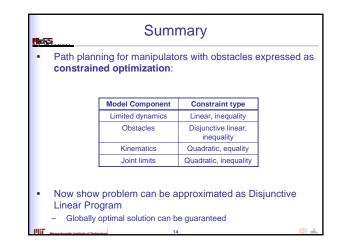


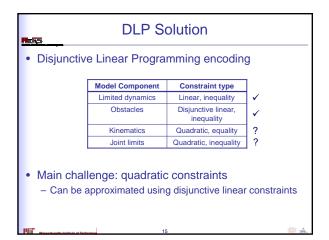


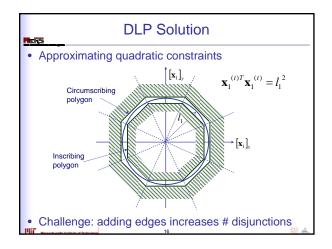


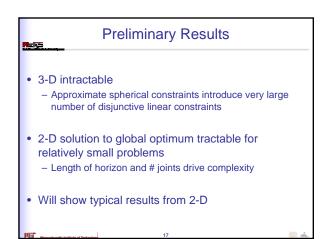
LB3 Highlight example is 2 joint but general works Lars Blackmore, 6/9/2006

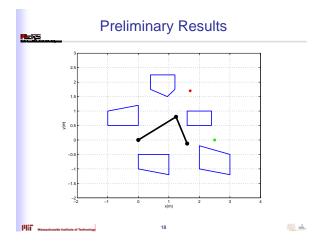


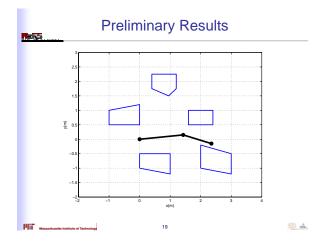


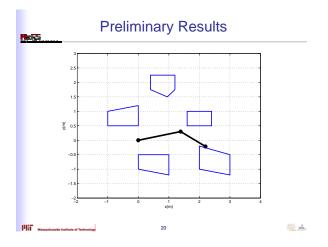


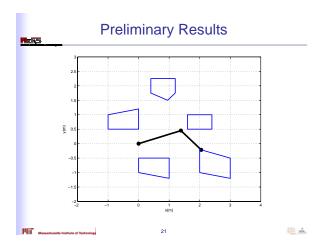


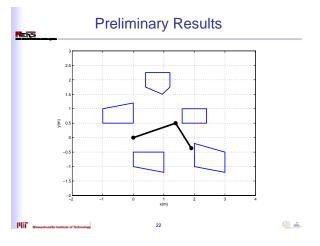


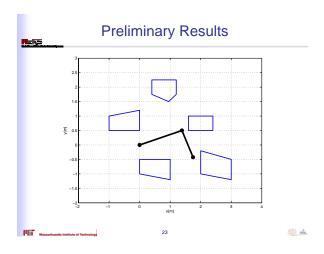


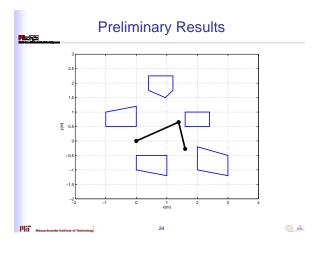


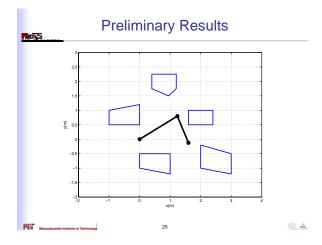


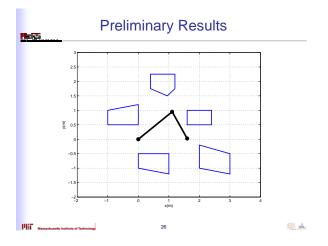


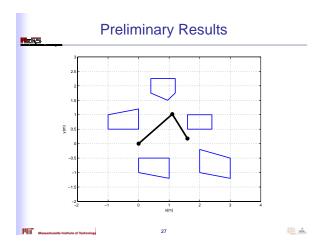


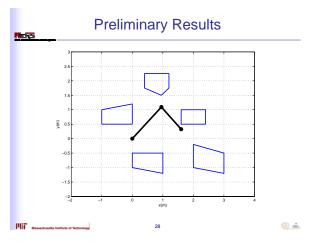


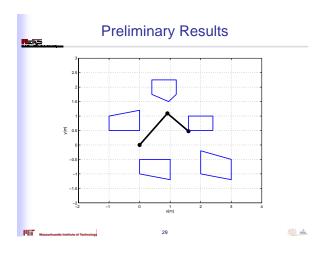


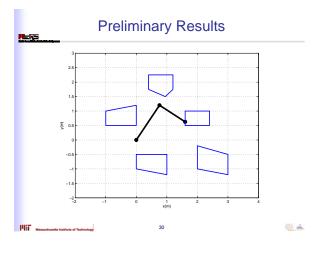


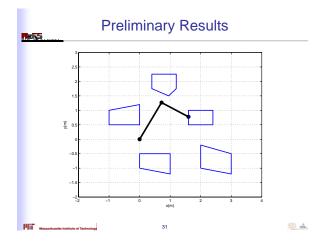


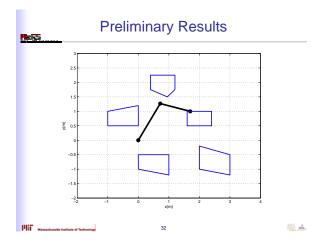


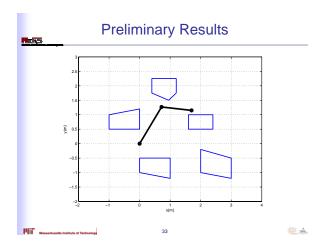


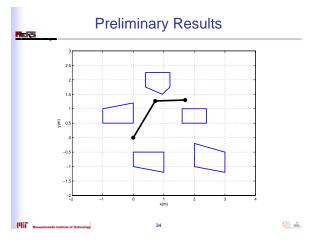


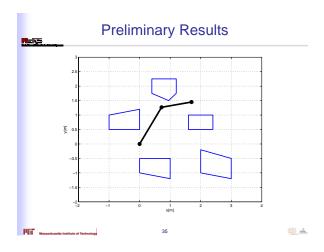


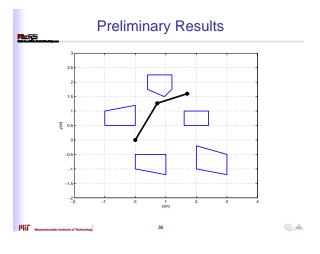


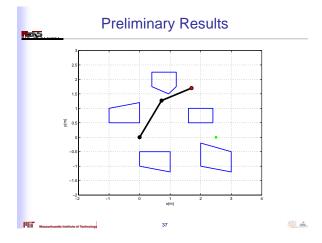


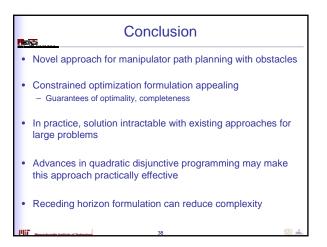












Questions?	
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