

_Georgia Tech Hybrids	s – Increasi	ng Regress	sion Rate
Options			
	Method	Basic Idea	Drawbacks
	Add oxidizers or exothermic decomposing mat'ls.	Increase heat transfer by moving flame towards surface	Reduced safetyIncreased p dependence
	Add metal particles (micron sized)	Increase radiative heat transfer	Small improvement
Increased heat transfer to solid surface	Add metal particles (nano sized)	Move flame closer to surface and increase rad. heat transfer	High costComplex processing
	Swirl injection for liquid	Increased mass flux near surface	Increased complexityLarge motor scaling
More responsive material	Solid with low ΔH_{evap}	Lower heat transfer needed	Limited optionsIncreased blowing



















