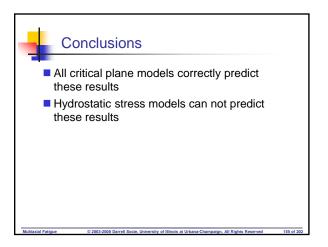
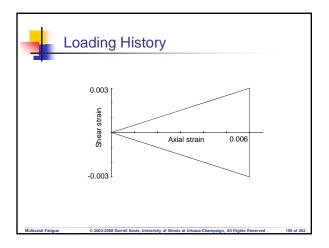
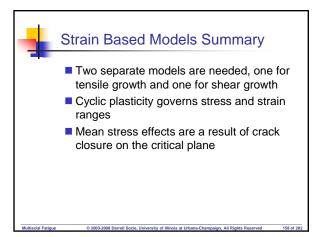


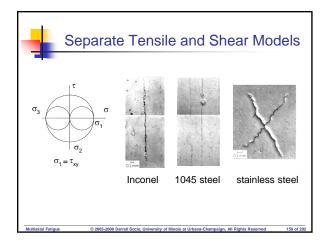
Test Re	sults				
Load Case	Δγ/2	σ <sub>hoop</sub> MPa	$\sigma_{axial}$ MPa	$N_{f}$	
Torsion	0.0054	0	0	45,200	
with tension	0.0054	0	450	10,300	
with compression	0.0054	0	-500	50,000	
with tension and compression	0.0054	450	-500	11,200	
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M	odel Compai	rison		
	Summary of calc	ulated fatigue li	ves	
	Model	Equation	Life	
	Epsilon	6.5	14,060	
	Garud	6.7	5,210	
	Ellyin	6.17	4,450	
	Brown-Miller	6.22	3,980	
	SWT	6.24	9,930	
	Liu I	6.41	4,280	
	Liu II	6.42	5,420	
	Chu	6.37	3,040	
	Gamma		26,775	
	Fatemi-Socie	6.23	10,350	
	Glinka	6.39	33,220	





Сус	lic Plasticity	
	Δε	
	$\Delta\gamma$	
	$\Delta \epsilon^{p}$	
	$\Delta\gamma^{p}$	
	ΔεΔσ	
	$\Delta\gamma\Delta au$	
	$\Delta \epsilon^{p} \Delta \sigma$	
	$\Delta\gamma^{p}\Delta au$	

