

























































**Bhe entryP** dissipated by a single LAOS responding to the maximum possible dissipated energy is the model response, with strain amplitude and y the measured steady LAOS response of the strain and the

 $\phi = 0.829$ 

 $\gamma_0$ 















MITiaos	
Data Input	
Choose Data File Name: 20jan06 fgn1296 5mg 50% b.t.	
Input Variables Frequency (rad/s) 1 Column # Units	Save Panel Beginning of save file name (suffixes will be added for each saved file): 20jen06 fgr1236 Smg 50%
Displacement     Displacement     Convert     Convert     Torque     Stress     J     Ves     No     Time     Dives lookids there used a lookids to see and	Save Data Files     Customize Data-File Saving Options
Which part of your data would you like to process?  Select Part of Data  Stating Point  Z220  Substating Point  Z220  Substati	Save Figures Customize Figure Saving Options
Use Full Data Set Number of Cycles Selected; 5	
Stress Filtering/Smoothing         The Highest Harmonic to consider in stress reconstruction       n = 9 n (max)= 61         View FT Spectrum of Stress	Exit Process/Analyze Data
Points per Quarter Cycle in Fourier- Transform reconstruction 300 suggested range: 100 - 1000	
MITIaos Matlab program available for use by anyonecontact mitlaos@mit.edu	