

## Q and A sheet toward discussion with Mr. Shiquan Wang and Prof. Mark Cutkosky

### About your research plan

- Manufacturing

Item 1 : Firstly I would understand the configuration of thickness about previous EAP film.

- Design Configuration

Item 1 : Cyclic force testing

My interests are getting the data about

- range of stiffness
- hysteresis according to motion frequency
- cyclic durability
- endurable force

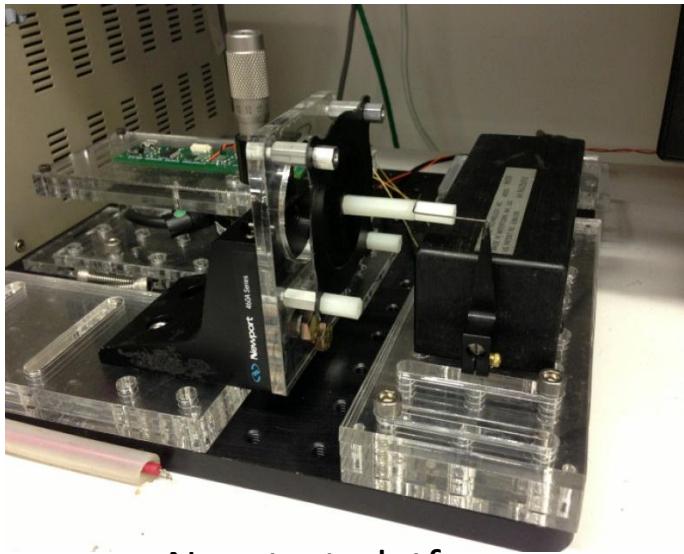
when pre-strain, material of electrode, configuration(planer/diaphragm etc)

Item 2: I understand simplifying problem make us to reach solution faster and faster.

However we should be careful not to over-simplify it.

Is there slightly difference between EAP with electrode and EAP without it?

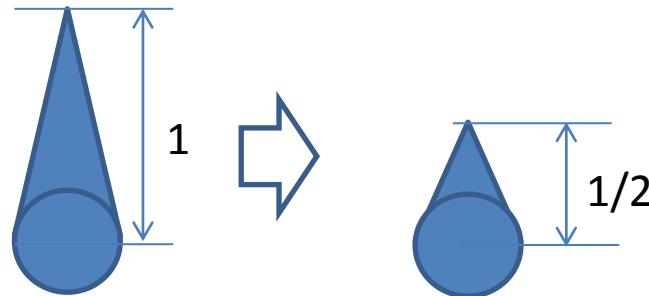
Feb13 - Feb19



New test platform

Suggestion:

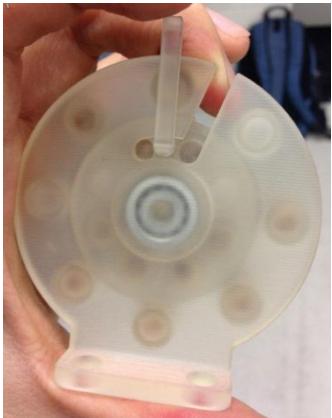
If you want to get higher force, you change the Lever of 305B device.



Max 5N force

Max 10N force

( reducing velocity and displacement )



Suggestion:

In addition to verify the attachment of EAP,  
Using normal rubber tube you can get the nonlinear  
character of stiffness transition from linear move.  
Getting data for linear stiffness of rubber tube is very easy.

