

cartilage tensile test:

1. 78 yr old specimen
2. Test set includes PBS, longer rest times between tests (sample kept in fridge during rest) and starting preconditioning and stress relaxation 300 microns off of the 10g find contact position to capture data increase from the instant any contact is established. uniformly thick sample was prepared using vibratome.
3. Thickness measured only once as taking the small sample in and out of the clamps when the ends were glued to clamps would damage the specimen. All other steps repeated. (including zero position, load cell calibration etc)
4. Sample taken from deeper layer (600 microns and deeper)
5. left upper clamp piece fixed. moved bath out but kept all the hardware fixed in bath. moved to zero before turning off software.

Thickness: 0.408 mm

day 1: oks00TR5-FMC-LCuX-01-01: 6.6130, 6.6570.
mach 1 froze in second 'initial length-wait'. restarted software, waited 30 min before repeating. Used 1Hz camera data sampling freq (changed from 10Hz)

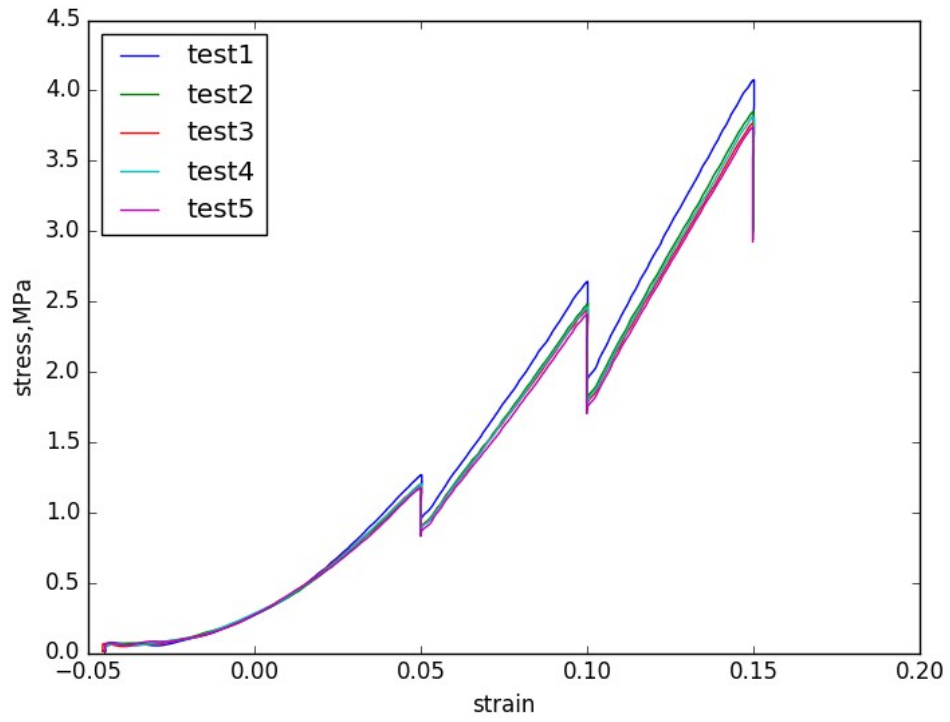
going forward: 10 Hz camera rate used only for SR

day 2: oks00TR5-FMC-LCuX-01-02: 6.6940, 6.7065.

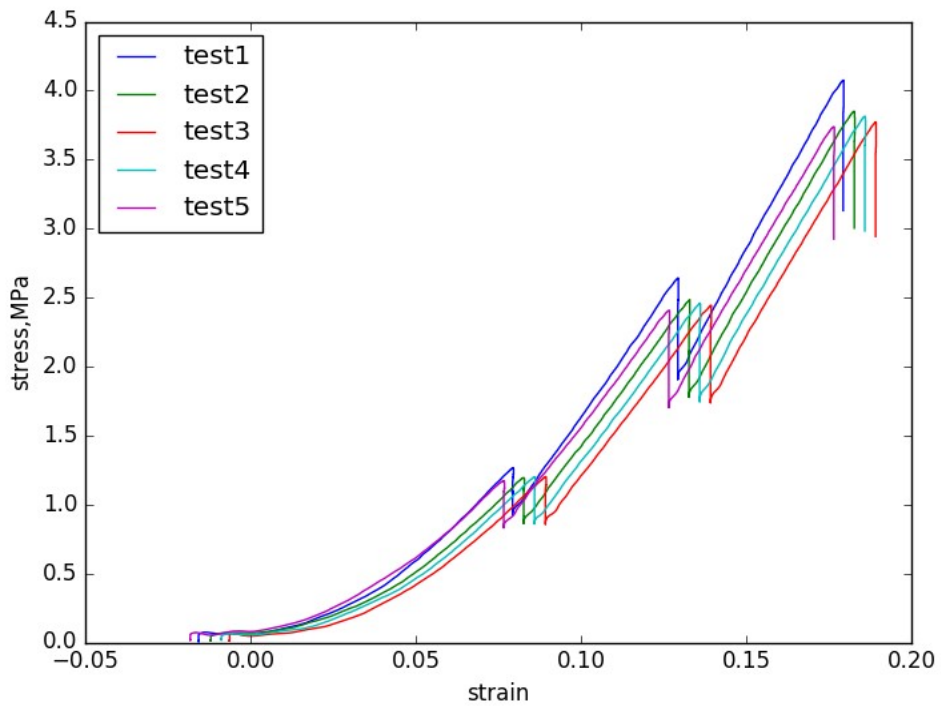
day 3: oks00TR5-FMC-LCuX-01-03: 6.5485, 6.5655.

day 4: oks00TR5-FMC-LCuX-01-04: 6.679, 6.6835

day 5: oks00TR5-FMC-LCuX-01-05: 6.6445, 6.6675.



Using 10g position as initial length



Actual zero force-displacement position as initial length