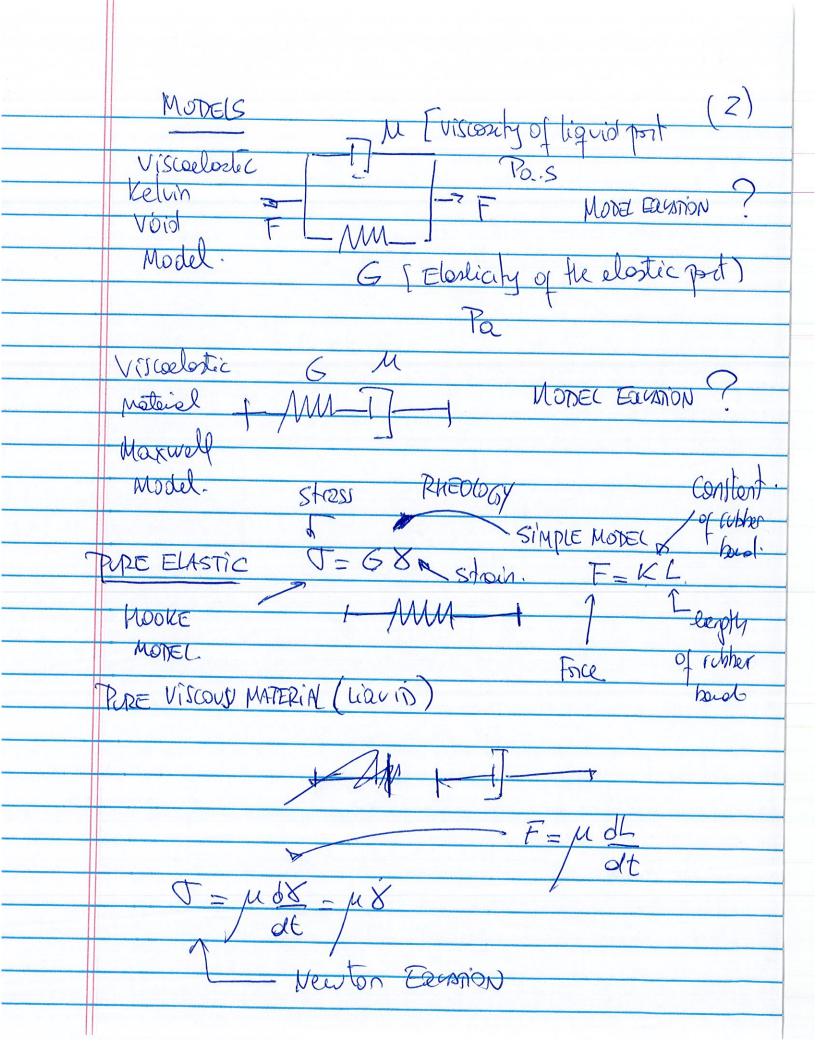
NOTES CLASS 11-28-2017 Is water viscoslastic? texW ZZ 1 liquid tr x W >>1 SOLID BEHAVIOR TR = 10 -12 seconds 10-12 xw >>1 Solin Beravior W > 1012 Hz [Kertz] Maximum year can advice for mechanical characterization of materials 106 Hz ULTRASOUND



puesso pure Elastic Morterial
Simple FILL K LIL RHEOLOGY J(t) = 6 8(t) L(t) = Lo sinut FEY L(t) FH LE 1 LEU F(t) 7 PURE Liquid MATERIAL L(t) = Lo Sinwt F(t) = µlow Corwt Phone = I 57 90°

GLASS TRANSITION TEMPERATURE To To can be measured by DSC Solid host copech AG = G-Glip 25%.

Difficult to detect for complex systems.

RHEOLOGY Dynamic Medanical Anolysis Tg using DMA technique Over outol key. SAMPLE low temperatures