P-18-1184

# EVIDENCE OF TIME DEPENDANT BEHAVIOUR IN POLYMER GELS UNDER LAOS

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LAOS (Large Amplitude Oscillatory Shear) is becoming an increasingly used technique for measuring many different types of samples, but not all sample types respond in the same way to the shear. In this work we studied commercially available gel networks to investigate the responses during large amplitude oscillation. The stress/strain Lissajous plots reached equilibrium within the first period of oscillation, but the Normal force/strain Lissajous plots showed a reduction in the normal force over consecutive periods of oscillation.