



## **INVESTIGATION ON DIAMAGNETIC LEVITATION OF GRAPHITE SHEETS**

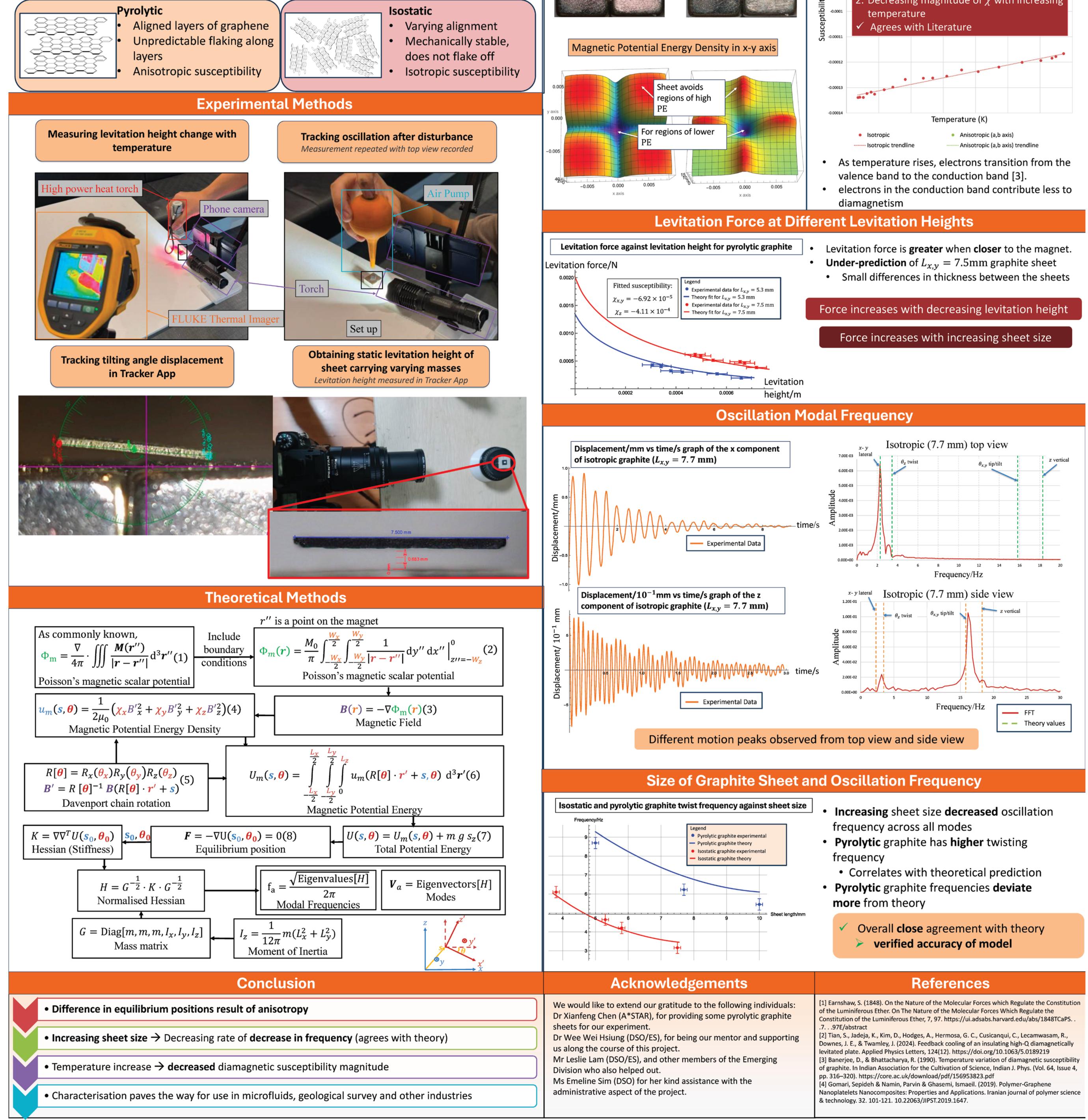
Members:

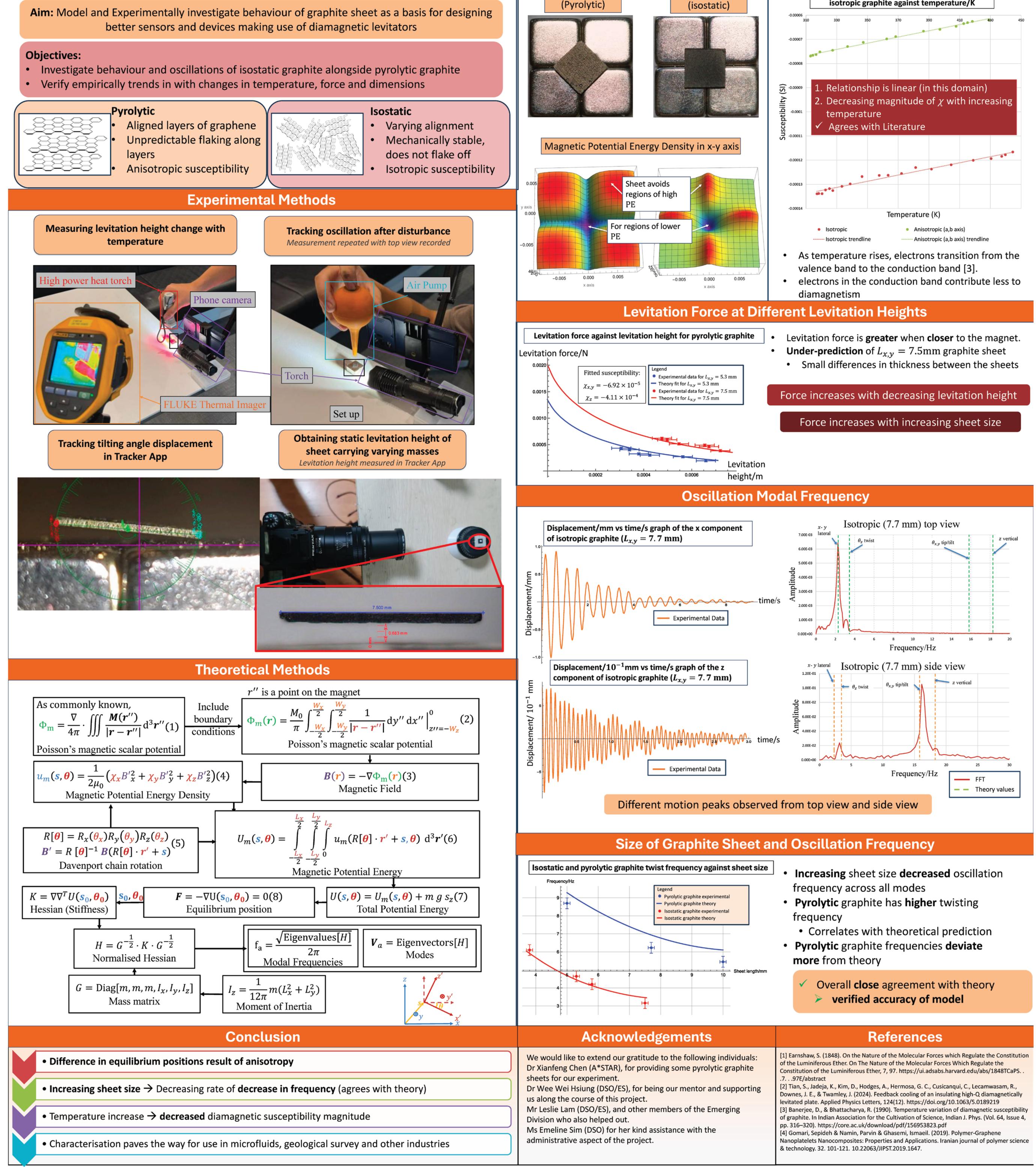
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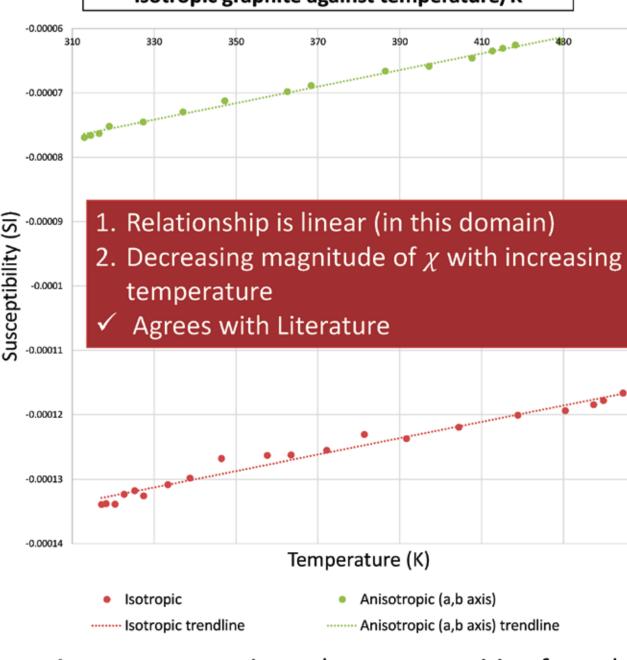
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Introduction	Results & Discussion
Diamagnetic materials ( $\chi$ <0) [1] can <b>levitate stably and passively</b> in a magnetic field	Anisotropy & Isotropy on Equilibrium Position Effect of Temperature on Diamagnetic Proper
Graphite can serve as alternative to superconductor/electromagnet-based levitation	Anisotropic (Dursolutio)  Isotropic  Isotropic  Graph of (a,b-axis) susceptibility of anisotropic and isotropic graphite against temperature/K

**Aim:** Model and Experimentally investigate behaviour of graphite sheet as a basis for designing better sensors and devices making use of diamagnetic levitators









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