

# Thermally Triggered Motion of Pyrolytic Graphite on a Magnet Array

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When hydrocarbon is heated to its decomposition temperature pyrolytic graphite can be crystalized in ordered layers. This material has an unusual characteristic. It can levitate above a chequerboard arrangement of magnets due to its diamagnetic property. We delved into the reason for this phenomenon. One question in particular interested us: can the levitation process be manipulated by applying heat or cold?