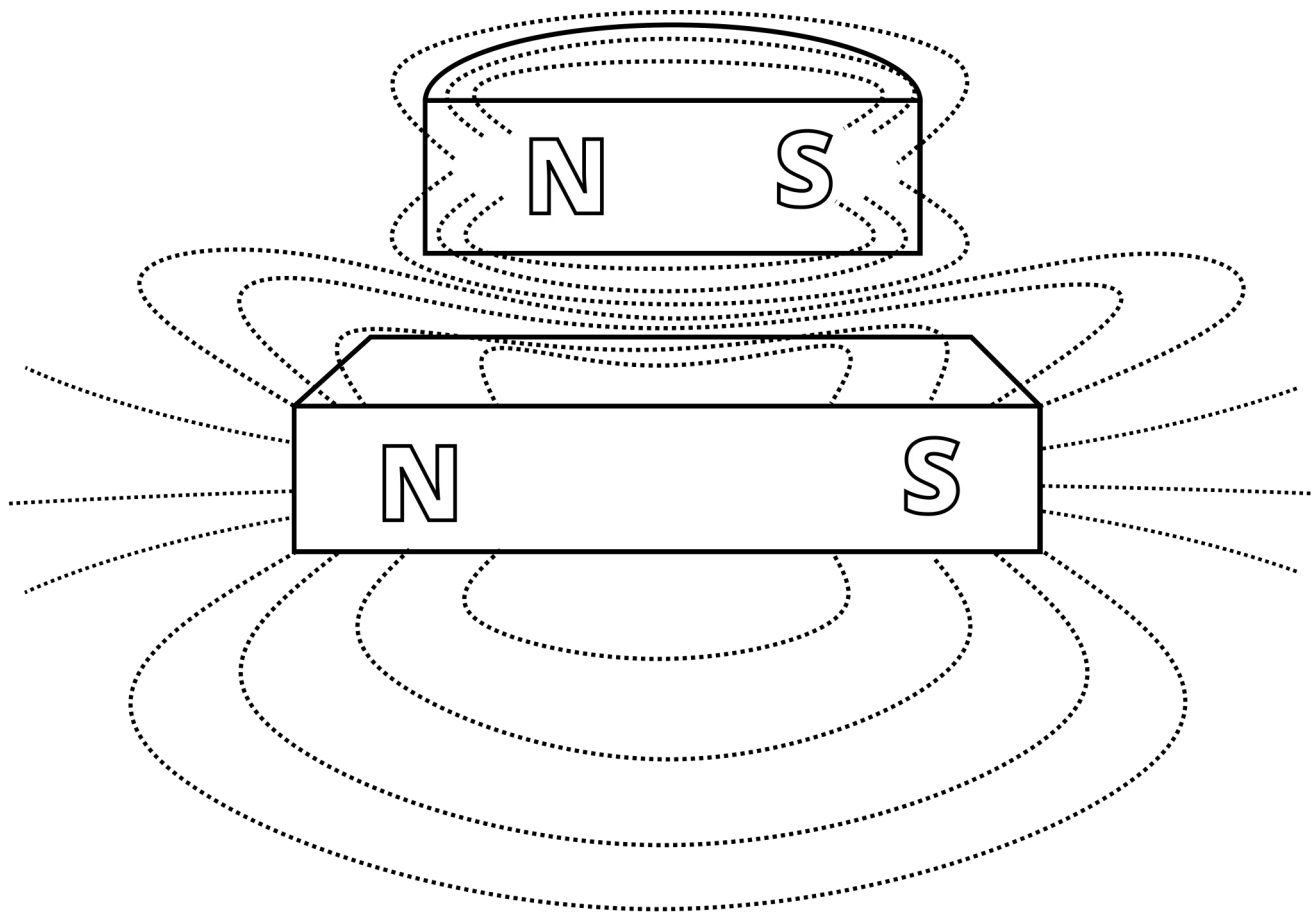


The Meissner Effect

Superconductors don't like to be near magnets, because they don't like to have magnetic fields going through them.

To keep the external magnetic field out, they make a magnetic field of their own, and they make it exactly the same as the one they are near.



Two North poles repel, and two South poles repel, so the superconductor pushes itself away from the magnet - the superconductor and the magnet repel one another.

This is what lets superconductors float in mid-air above magnets. It's called the 'Meissner Effect'.