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web where h is the strength of the magnetic field in ampere turns metre at m n is the number of turns of the coil i is the current flowing through the coil in amps a l is the length of the coil in metres m then to summarise the strength or intensity of a coils magnetic field depends on the following factors the number of turns of wire within the coil

$\textbf{superconducting magnet wikipedia} \cdot \text{Mar } 30\ 2022$

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