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Gravitational Field from a Rotating Magnet

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Gravitomagnetism doesn't exist.

A rotating magnet produces a gravitational field that can be positive or negative:

$$g = \vec{B}\omega$$

g -- acceleration; B -- magnetic field; ω -- angular speed

For a superconductor:

$$\vec{B} = \frac{m_e}{q_e}\omega$$

m_e -- mass of the electron; q_e -- charge of the electron

$$g = \frac{m_e}{q_e}\omega^2$$

$$\omega = 1200 s^{-1} \quad \Leftrightarrow \quad g = 8.2 \times 10^{-6} ms^{-2}$$