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Gravity-Superconductors Interactions Theory and Experiment

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About the ebook

This ebook attempts to answer one key question relating to gravity research: Is it possible to generate gravity-like fields by condensed-matter systems, in conditions accessible in a laboratory? General Relativity and lowest-order Quantum Gravity predict in this case very small emission rates, so these phenomena can only become relevant if some strong quantum effect occurs.

Contents

- ▶ Gravity-Superconductors Interactions: Historical Background
- ▶ Interactions Between Superconductors and High-Frequency Gravitational Waves
- ▶ High Temperature Superconductors as Quantum Sources of Gravitational Waves: The HTSC GASER
- ▶ Quantum Effects in the Type II Superconductor that Lead to Power Radiated in Gravitational Waves
- ▶ Quantum Gravity Evaluation of Stimulated Graviton Emission in Superconductors
- ▶ Tajmar Experiments on "Condensing the Vacuum"

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