

Superconductor Levitation

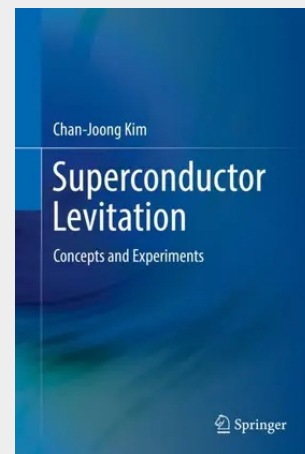
Concepts and Experiments

This book introduces the physical principles behind levitation with superconductors, and includes many examples of practical magnetic levitation demonstrations using superconducting phenomena.

It features more than twenty examples of magnetic levitation in liquid nitrogen using high temperature superconductors and permanent magnets, all invented by the author. The book includes the demonstration of suspension phenomenon induced by magnetic flux pinning as well as magnetic levitation by the Meissner effect. It shows how superconducting magnetic levitation and suspension phenomena fire the imagination and provide scientific insight and inspiration.

This book will be a useful experimental guide and teaching resource for those working on superconductivity, and a fascinating text for undergraduate and graduate students.

This book introduces the physical principles behind levitation with superconductors, and includes many examples of practical magnetic levitation demonstrations using superconducting phenomena. It features more than twenty examples of magnetic levitation in liquid nitrogen using high temperature superconductors and permanent magnets, all invented by the author. The book includes the demonstration of suspension phenomenon induced by magnetic flux pinning as well as magnetic levitation by the Meissner effect. It shows how superconducting magnetic levitation and suspension phenomena fire the imagination and provide scientific insight and inspiration. This book will be a useful experimental guide and teaching resource for those working on superconductivity, and a fascinating text for undergraduate and graduate students.



139,09 €

129,99 € (zzgl. MwSt.)

Lieferfrist: bis zu 10 Tage

Artikelnummer: 9789811367670

Medium: Buch

ISBN: 978-981-13-6767-0

Verlag: Springer Nature Singapore

Erscheinungstermin: 19.06.2019

Sprache(n): Englisch

Auflage: 1. Auflage 2019

Produktform: Gebunden

Gewicht: 599 g

Seiten: 239

Format (B x H): 160 x 241 mm

