

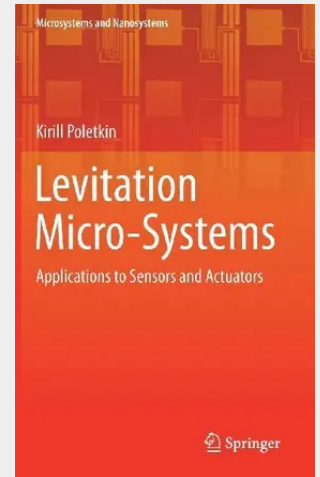
Poletkin

Levitation Micro-Systems

Applications to Sensors and Actuators

This book presents inductive and hybrid levitation micro-systems and their applications in micro-sensors and -actuators. It proposes and discusses analytical and quasi-finite element techniques for modeling levitation micro-systems based on the Lagrangian formalism. In particular, micro-bearings, -actuators, -accelerators and -accelerometers based on inductive levitation are comprehensively described with accompanying experimental measurements.

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106,99 €

99,99 € (zzgl. MwSt.)

Lieferfrist: bis zu 10 Tage

Artikelnummer: 9783030589073

Medium: Buch

ISBN: 978-3-030-58907-3

Verlag: Springer

Erscheinungstermin: 19.11.2020

Sprache(n): Englisch

Auflage: 1. Auflage 2021

Serie: Microsystems and Nanosystems

Produktform: Gebunden

Gewicht: 448 g

Seiten: 174

Format (B x H): 160 x 241 mm

