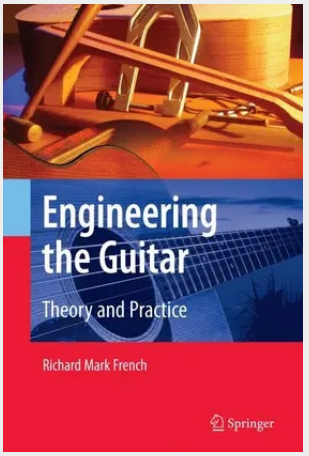
French

Engineering the Guitar

Theory and Practice



Engineering the Guitar: Theory and Practice uniquely describes the mechanics of the guitar for engineers and craftsmen alike. Complete with informative illustrations, this popular musical volume describes the underlying mechanical concepts behind the guitar, supported by theory and test. A detailed description of guitar electronics paired with an analysis of sound quality appeals to scientific audiences as well as musicians technically apt. Readers will gain an understanding of the technical behavior of the instrument with respect to structural and component dynamics, in addition to the informative treatment of analytical models. Hand made and mass produced techniques are also examined in a chapter devoted to manufacturing processes.

Audiences interested in mechanics, acoustics, and instrument making will find Engineering the Guitar: Theory and Practice an informative and enjoyable read.

This clearly written book uniquely describes the mechanics of the guitar for engineers and craftsmen alike. Complete with informative illustrations, this popular musical volume describes the underlying mechanical concepts behind the guitar, supported by theory and test. Readers will gain an understanding of the dynamic behavior of the instrument, including structural and component dynamics, and various analytical models, such as discrete, finite element, and boundary element models. Manufacturing processes are also covered, including both hand made and mass produced instruments, in addition to an analysis of sound quality and a detailed description of guitar electronics. Students, engineering and physics researchers interested in mechanics, acoustics, and instrument making will find the mechanical concepts described in this book easily accessible in this highly informative reference.

69,54 €
64,99 € (zzgl. MwSt.)

sofort versandfertig, Lieferfrist: 1-3 Werktage

Artikelnummer: 9780387743684
Medium: Buch
ISBN: 978-0-387-74368-4
Verlag: Springer Us
Erscheinungstermin: 23.10.2008
Sprache(n): Englisch
Auflage: 2009. Auflage 2008
Produktform: Gebunden
Gewicht: 1270 g
Seiten: 266
Format (B x H): 166 x 250 mm

Kundenservice Verlag Dr. Otto Schmidt KG
Neumannstraße 10, 40235 Düsseldorf | kundenservice@otto-schmidt.de | 0221-93738-997 (Inland)