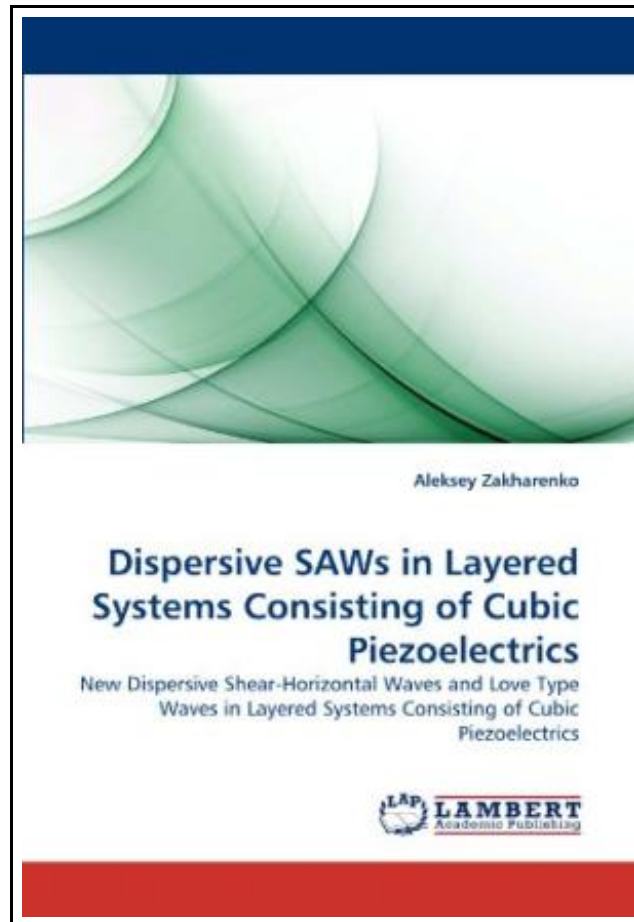


Dispersive SAWs in Layered Systems Consisting of Cubic Piezoelectrics



Filesize: 1.28 MB

Reviews

A fresh e book with an all new viewpoint. It is really simplistic but unexpected situations in the 50 % from the book. Once you begin to read the book, it is extremely difficult to leave it before concluding.
(Dawn Hane)

DISPERSIVE SAWs IN LAYERED SYSTEMS CONSISTING OF CUBIC PIEZOELECTRICS

[DOWNLOAD](#)

Book Condition: New. Publisher/Verlag: LAP Lambert Academic Publishing | New Dispersive Shear-Horizontal Waves and Love Type Waves in Layered Systems Consisting of Cubic Piezoelectrics | This work studies propagation of different SH-SAWs treating various configurations using the cubic crystals $\text{Bi}_{12}\text{SiO}_{20}$ and $\text{Bi}_{12}\text{GeO}_{20}$, which possess strong piezoelectric effect. Possible cuts for the wave propagation are treated when an even-order symmetry axis of a crystal is perpendicular to the sagittal plane, and when some analytical solutions can be obtained studying propagation direction [101] in the crystals. Calculations of the phase velocity and the CEMC versus the layer thickness were carried out. Numerical results on propagation of the seven-partial Love type waves were also introduced for different electrical boundary conditions: metallized and non-metallized surfaces. Also, new dispersive SAW possessing single mode was discovered concerning direction [101] in various layered systems consisting of the cubic crystals. It is thought that the obtained results can be also useful in the application of inter-digital transducers for excitation of different SAWs in structural health monitoring. In addition, a theoretical study of three-layer structures consisting of widely-used weak piezoelectrics ($\text{GaAs}/\text{GaP}/\text{GaAs}$ and $\text{GaAs}/\text{GaP}/\text{ZnTe}$) was also carried out. | Format: Paperback | Language/Sprache: english | 72 pp.

[Read Dispersive SAWs in Layered Systems Consisting of Cubic Piezoelectrics Online](#)[Download PDF Dispersive SAWs in Layered Systems Consisting of Cubic Piezoelectrics](#)

Related eBooks



Love My Enemy

Andersen, UK, 2004. Softcover. Book Condition: New. First Edition. Available Now. Book Description: Zee (short for Zara) lives in a quiet suburb of Belfast, with an apparently idyllic family life. But Zee's father was shot...

[Save eBook »](#)



You Shouldn't Have to Say Goodbye: It's Hard Losing the Person You Love the Most

Sourcebooks, Inc. Paperback / softback. Book Condition: new. BRAND NEW, You Shouldn't Have to Say Goodbye: It's Hard Losing the Person You Love the Most, Patricia Hermes, Thirteen-year-old Sarah Morrow doesn't think much of the...

[Save eBook »](#)



Instrumentation and Control Systems

Elsevier Science & Technology. Paperback. Book Condition: new. BRAND NEW PRINT ON DEMAND., Instrumentation and Control Systems, William Bolton, In a clear and readable style, Bill Bolton addresses the basic principles of modern instrumentation and...

[Save eBook »](#)



Southern Educational Review Volume 3

Rarebooksclub.com, United States, 2012. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****.This historic book may have numerous typos and missing text. Purchasers can download...

[Save eBook »](#)



Peppa Pig: Camping Trip - Read it Yourself with Ladybird: Level 2

Penguin Books Ltd. Paperback. Book Condition: new. BRAND NEW, Peppa Pig: Camping Trip - Read it Yourself with Ladybird: Level 2, Peppa Pig and her family are going on holiday in their campervan. Find...

[Save eBook »](#)