

1. Record Nr.	UNISA996418195203316
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Titolo	Random fields of piezoelectricity and piezomagnetism : correlation structures / / Anatoliy Malyarenko, Martin Ostoja-Starzewski, and Amirhossein Amiri-Hezaveh
Pubbl/distr/stampa	Cham, Switzerland : , : Springer, , [2020] Â©2020
ISBN	3-030-60064-5
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (XI, 97 p. 2 illus., 1 illus. in color.)
Collana	SpringerBriefs in Applied Sciences and Technology, Mathematical methods
Disciplina	530.141
Soggetti	Electromagnetic theory Random fields Piezoelectricity
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Preface -- 1. Continuum Theory of Piezoelectricity and Piezomagnetism -- 2. Mathematical preliminaries -- 3. The Choice of a Basis in the Space VG -- 4. Correlation Structures -- References -- Index.
Sommario/riassunto	Random fields are a necessity when formulating stochastic continuum theories. In this book, a theory of random piezoelectric and piezomagnetic materials is developed. First, elements of the continuum mechanics of electromagnetic solids are presented. Then the relevant linear governing equations are introduced, written in terms of either a displacement approach or a stress approach, along with linear variational principles. On this basis, a statistical description of second-order (statistically) homogeneous and isotropic rank-3 tensor-valued random fields is given. With a group-theoretic foundation, correlation functions and their spectral counterparts are obtained in terms of stochastic integrals with respect to certain random measures for the fields that belong to orthotropic, tetragonal, and cubic crystal systems. The target audience will primarily comprise researchers and graduate students in theoretical mechanics, statistical physics, and probability.

2. Record Nr.	UNISA996392912903316
Titolo	A declaration for the certaine time of dravving the great standing lottery [[electronic resource]]
Pubbl/distr/stampa	Imprinted at London, : By Felix Kyngston, for VVilliam VVelby, the 22. of Februarie. 1615 [i.e. 1616]
Descrizione fisica	1 sheet ([1] p.)
Soggetti	Lotteries - Virginia Lotteries - Great Britain Broadside17th century.London (England) Virginia History Colonial period, ca. 1600-1775 Great Britain History James I, 1603-1625
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Contains six illustrations in vignettes at head of text, two of which represent Native Americans. Reproduction of original in: Society of Antiquaries.
Sommario/riassunto	eebo-0147