1. Record Nr. UNINA9910707863503321

Autore	Forsman Eric D.
Titolo	Tree voles : an evaluation of their distribution and habitat relationships based on recent and historical studies, habitat models, and vegetation change / / Eric D. Forsman [and four others]
Pubbl/distr/stampa	Portland, OR : , : United States Department of Agriculture, Forest Service, Pacific Northwest Research Station, , October 2016
Descrizione fisica	1 online resource (iv, 119 pages) : color illustrations
Collana	General technical report PNW ; ; GTR-948
Soggetti	Tree voles - Oregon Tree voles - California
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"October 2016."
Nota di bibliografia	Includes bibliographical references (pages 91-104).

2. Record Nr. UNINA9910311936303321

Autore	Haake Fritz
Titolo	Quantum Signatures of Chaos / / by Fritz Haake, Sven Gnutzmann, Marek Ku
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2018
ISBN	3-319-97580-3
Edizione	[4th ed. 2018.]
Descrizione fisica	1 online resource (XXVI, 659 p. 96 illus., 18 illus. in color.)
Collana	Springer Series in Synergetics, , 0172-7389
Disciplina	530.12
Soggetti	Quantum theory Statistical physics Physics Quantum Physics Applications of Nonlinear Dynamics and Chaos Theory Statistical Physics and Dynamical Systems Mathematical Methods in Physics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Introduction -- Time Reversal and Unitary Symmetries -- Level Repulsion -- Level Clustering -- Random-Matrix Theory -- Supersymmetry and Sigma Model for Random Matrices -- Ballistic Sigma Model for Individual Unitary Maps and Graphs -- Quantum Localization -- Classical Hamiltonian Chaos -- Semiclassical Roles for Classical Orbits -- Level Dynamics -- Dissipative Systems. .
Sommario/riassunto	This by now classic text provides an excellent introduction to and survey of the still-expanding field of quantum chaos. For this long-awaited fourth edition, the original text has been thoroughly modernized. The topics include a brief introduction to classical Hamiltonian chaos, a detailed exploration of the quantum aspects of nonlinear dynamics, quantum criteria used to distinguish regular and irregular motion, and antiunitary (generalized time reversal) and unitary symmetries. The standard Wigner-Dyson symmetry classes, as well as the non-standard ones introduced by Altland and Zirnbauer, are investigated and illustrated with numerous examples. Random matrix

theory is presented in terms of both classic methods and the supersymmetric sigma model. The power of the latter method is revealed by applications outside random-matrix theory, such as to quantum localization, quantum graphs, and universal spectral fluctuations of individual chaotic dynamics. The equivalence of the sigma model and Gutzwiller's semiclassical periodic-orbit theory is demonstrated. Last but not least, the quantum mechanics of dissipative chaotic systems are also briefly described. Each chapter is accompanied by a selection of problems that will help newcomers test and deepen their understanding, and gain a firm command of the methods presented.