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Coordinación de Planeación, Evaluación y
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Reporte individual



THOMAS HENRY SELIGMAN SCHURCH

Datos Generales

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Nombramientos

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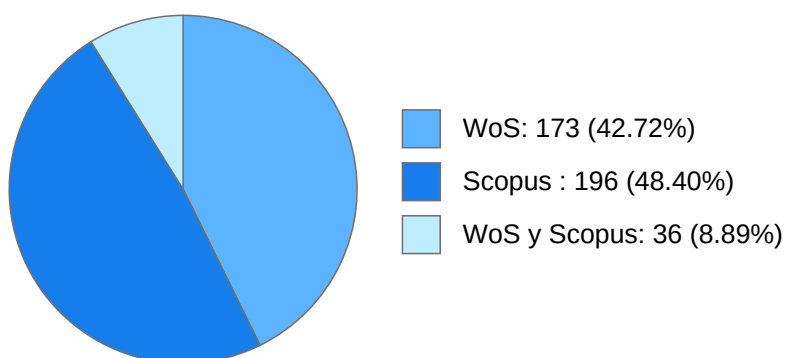
Estímulos, programas, premios y reconocimientos

SNI Emérito 2010 - VIGENTE
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DOCUMENTOS EN REVISTAS

Histórico de Documentos



#	Título	Autores	Revista	Año
1	Dynamics of market states and risk assessment	HIRDESH KUMAR PHARASI THOMAS HENRY SELIGMAN SCHURCH Seligman E. et al.	PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS	2024
2	FITTING A ONE INDEX-PARAMETER LORENZ CURVE MODEL TO MEXICO STATEWIDE DATA	THOMAS HENRY SELIGMAN SCHURCH H. F. Coronel-Brizio A. R. Hernandez-Montoya	Advances And Applications In Statistics	2024
3	Eigen-Persistence in Graphs	EMERSON LEAO SADURNI HERNANDEZ THOMAS HENRY SELIGMAN SCHURCH Klein D.J.	MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY	2024
4	COVID anomaly in the correlation analysis of S&P 500 market states	MANUEL MIJAIL MARTINEZ RAMOS MANAN VYAS THOMAS HENRY SELIGMAN SCHURCH et al.	PLOS ONE	2024
5	Sub-narrow band sleep stage analysis ? eigenvalues and eigenvectors of the multi-band cross-correlation matrix	MARIA ASUNCION DEL CARMELO CORSI CABRERA THOMAS HENRY SELIGMAN SCHURCH ZEIDY VANESSA MUÑOZ TORRES et al.	PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS	2024

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6	A dynamical interpretation of sequential decay in reactive scattering	FRANCISCO GONZALEZ MONTOYA CHRISTOF FRIEDRICH JUNG KOHL THOMAS HENRY SELIGMAN SCHURCH	COMMUNICATIO NS IN NONLINEAR SCIENCE AND NUMERICAL SIMULATION	2023
7	Market State Dynamics in Correlation Matrix Space	HIRDESH KUMAR PHARASI THOMAS HENRY SELIGMAN SCHURCH Sadhukhan S. et al.	New Economic Windows	2023
8	An empirical data analysis of price runs in daily financial indices: Dynamically assessing market geometric distributional behavior	CELIA MIREYA RODRIGUEZ MARTINEZ THOMAS HENRY SELIGMAN SCHURCH Olivares-Sánchez H.R. et al.	PLOS ONE	2022
9	Hidden duality and accidental degeneracy in cycloacene and Mobius cycloacene	FRANCOIS ALAIN LEYVRAZ WALTZ THOMAS WERNER STEGMANN THOMAS HENRY SELIGMAN SCHURCH et al.	JOURNAL OF MATHEMATICAL PHYSICS	2021
10	Photonic realization of the kappa-deformed Dirac equation	J. A. Franco Villafane THOMAS HENRY SELIGMAN SCHURCH P. Majari et al.	PHYSICAL REVIEW A	2021
11	Current vortices in aromatic carbon molecules	THOMAS WERNER STEGMANN J. A. Franco Villafane YENNI PRISCILA ORTIZ ACERO et al.	PHYSICAL REVIEW B	2020
12	Complex Market Dynamics in the Light of Random Matrix Theory	HIRDESH KUMAR PHARASI THOMAS HENRY SELIGMAN SCHURCH Sharma K. et al.	New Economic Windows	2019
13	Random Matrix Ensembles For Many-Body Quantum Systems	MANAN VYAS THOMAS HENRY SELIGMAN SCHURCH	AIP Conference Proceedings	2018
14	Correlation networks from random walk time series	HARINDER PAL THOMAS HENRY SELIGMAN SCHURCH JUAN VALENTIN ESCOBAR SOTOMAYOR	PHYSICAL REVIEW E	2018
15	Multivariate analysis of short time series in terms of ensembles of correlation matrices	MANAN VYAS THOMAS HENRY SELIGMAN SCHURCH Guhr T.	SCIENTIFIC REPORTS	2018
16	Identifying long-term precursors of financial market crashes using correlation patterns	HIRDESH KUMAR PHARASI FRANCOIS ALAIN LEYVRAZ WALTZ THOMAS HENRY SELIGMAN SCHURCH et al.	NEW JOURNAL OF PHYSICS	2018
17	Chains of benzenes with lithium-atom adsorption: Vibrations and spontaneous symmetry breaking	THOMAS HENRY SELIGMAN SCHURCH Ortiz, Y.P. Stegmann, T. et al.	CHEMICAL PHYSICS LETTERS	2017
18	Protecting coherence by environmental decoherence: a solvable paradigmatic model	THOMAS HENRY SELIGMAN SCHURCH Mauricio Torres, Juan	NEW JOURNAL OF PHYSICS	2017

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19	Microwave emulations and tight-binding calculations of transport in polyacetylene	Thomas Stegmann THOMAS HENRY SELIGMAN SCHURCH Franco-Villafane, John A. et al.	PHYSICS LETTERS A	2017
20	Transport gap engineering by contact geometry in graphene nanoribbons: Experimental and theoretical studies on artificial materials	THOMAS HENRY SELIGMAN SCHURCH Stegmann, Thomas Franco-Villafane, John A. et al.	PHYSICAL REVIEW B	2017
21	Rich structure in the correlation matrix spectra in non-equilibrium steady states	FRANCOIS ALAIN LEYVRAZ WALTZ THOMAS HENRY SELIGMAN SCHURCH Biswas, Soham et al.	SCIENTIFIC REPORTS	2017
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24	Observables and density matrices embedded in dual Hilbert spaces	T. Prosen THOMAS HENRY SELIGMAN SCHURCH Martignon, L.	PHYSICA SCRIPTA	2015
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28	Spectral analysis of finite-time correlation matrices near equilibrium phase transitions	Vinayak T. Prosen THOMAS HENRY SELIGMAN SCHURCH et al.	EPL	2014
29	Spectral statistics of the acoustic stadium	RAFAEL ALBERTO MENDEZ SANCHEZ FRANCOIS ALAIN LEYVRAZ WALTZ THOMAS HENRY SELIGMAN SCHURCH et al.	AIP Conference Proceedings	2014

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30	A Finite Element Algorithm for High-Lying Eigenvalues with Neumann and Dirichlet Boundary Conditions	RAFAEL ALBERTO MENDEZ SANCHEZ FRANCOIS ALAIN LEYVRAZ WALTZ THOMAS HENRY SELIGMAN SCHURCH et al.	AIP Conference Proceedings	2014
31	Spontaneous symmetry breaking and strong deformations in metal adsorbed graphene sheets	Y. P. Ortiz THOMAS HENRY SELIGMAN SCHURCH Jalbout, A. F.	CHEMICAL PHYSICS LETTERS	2013
32	Fidelity under isospectral perturbations: A random matrix study	FRANCOIS ALAIN LEYVRAZ WALTZ ADOLFO GARCIA OSUNA THOMAS HENRY SELIGMAN SCHURCH et al.	JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL	2013
33	Emerging spectra of singular correlation matrices under small power-map deformations	Vinayak THOMAS HENRY SELIGMAN SCHURCH Schaefer, Rudi	PHYSICAL REVIEW E	2013
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35	Schematic baryon models, their tight binding description and their microwave realization	THOMAS HENRY SELIGMAN SCHURCH Sadurni, E. Franco-Villafane, J. A. et al.	NEW JOURNAL OF PHYSICS	2013
36	Decoherence at constant excitation	J. M. Torres THOMAS HENRY SELIGMAN SCHURCH Sadurni, E.	PHYSICA SCRIPTA	2012
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38	Identifying states of a financial market	FRANCOIS ALAIN LEYVRAZ WALTZ THOMAS HENRY SELIGMAN SCHURCH Münnix M.C. et al.	SCIENTIFIC REPORTS	2012
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40	Novel doorways and resonances in large-scale classical systems	J. A. Franco Villafane JORGE ANDRES FLORES VALDES JOSE LUIS MATEOS TRIGOS et al.	EPL	2011
41	Fidelity decay in interacting two-level boson systems: Freezing and revivals	LUIS BENET FERNANDEZ Saul Hernandez Quiroz THOMAS HENRY SELIGMAN SCHURCH	PHYSICAL REVIEW E	2011
42	Correlations between spectra with different symmetries: any chance to be observed?	FRANCOIS ALAIN LEYVRAZ WALTZ THOMAS HENRY SELIGMAN SCHURCH Braun, P.	NEW JOURNAL OF PHYSICS	2011

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44	Playing relativistic billiards beyond graphene	E. Sadurni THOMAS HENRY SELIGMAN SCHURCH Mortessagne, F.	NEW JOURNAL OF PHYSICS	2010
45	Dynamics of a Dirac oscillator coupled to an external field: a new class of solvable problems	E. Sadurni J. M. Torres THOMAS HENRY SELIGMAN SCHURCH	JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL	2010
46	Quantization over boson operator spaces	THOMAS HENRY SELIGMAN SCHURCH Prosen, Tomaz	JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL	2010
47	Microwave fidelity studies by varying antenna coupling	THOMAS HENRY SELIGMAN SCHURCH Koeber, B. Kuhl, U. et al.	PHYSICAL REVIEW E	2010
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49	Spontaneous symmetry breaking by double lithium adsorption in polyacenes	THOMAS HENRY SELIGMAN SCHURCH Ortiz Y.P.	AIP Conference Proceedings	2010
50	Symmetry breaking: A tool to unveil the topology of chaotic scattering with three degrees of freedom	CHRISTOF FRIEDRICH JUNG KOHL THOMAS HENRY SELIGMAN SCHURCH Zapfe W.P.K. et al.	AIP Conference Proceedings	2010
51	Third quantization	THOMAS HENRY SELIGMAN SCHURCH Prosen T.	AIP Conference Proceedings	2010
52	Fidelity decay of the two-level bosonic embedded ensembles of random matrices	LUIS BENET FERNANDEZ THOMAS HENRY SELIGMAN SCHURCH Hernández-Quiroz S.	AIP Conference Proceedings	2010
53	Doorway states and billiards	JORGE ALBERTO MARQUEZ FLORES JOSE LUIS MATEOS TRIGOS RAFAEL ALBERTO MENDEZ SANCHEZ et al.	AIP Conference Proceedings	2010
54	Electron Localization on Molecular Surfaces by Metal Adsorption	ABRAHAM FOUAD JALBOUT THOMAS HENRY SELIGMAN SCHURCH	JOURNAL OF COMPUTATIONAL AND THEORETICAL NANOSCIENCE	2009
55	Nonperiodic echoes from quantum mushroom-billiard hats	THOMAS HENRY SELIGMAN SCHURCH Dietz, B. Friedrich, T. et al.	PHYSICAL REVIEW E	2009

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56	The two-body random spin ensemble and a new type of quantum phase transition	Stefan Mossmann THOMAS HENRY SELIGMAN SCHURCH Pizorn, Iztok et al.	NEW JOURNAL OF PHYSICS	2008
57	Relativistic echo dynamics and the stability of a beam of Landau electrons	E. Sadurni THOMAS HENRY SELIGMAN SCHURCH	JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL	2008
58	Surprising relations between parametric level correlations and fidelity decay	CARLOS FRANCISCO PINEDA ZORRILLA FRANCOIS ALAIN LEYVRAZ WALTZ THOMAS HENRY SELIGMAN SCHURCH et al.	PHYSICAL REVIEW LETTERS	2008
59	A random matrix theory of decoherence	CARLOS FRANCISCO PINEDA ZORRILLA THOMAS HENRY SELIGMAN SCHURCH Gorin, T. et al.	NEW JOURNAL OF PHYSICS	2008
60	Random matrix models for decoherence and fidelity decay in quantum information systems	CARLOS FRANCISCO PINEDA ZORRILLA THOMAS HENRY SELIGMAN SCHURCH	AIP Conference Proceedings	2008
61	Bell pair in a generic random matrix environment	CARLOS FRANCISCO PINEDA ZORRILLA THOMAS HENRY SELIGMAN SCHURCH	PHYSICAL REVIEW A	2007
62	Decoherence of two-qubit systems: A random matrix description	CARLOS FRANCISCO PINEDA ZORRILLA THOMAS HENRY SELIGMAN SCHURCH Gorin T.	NEW JOURNAL OF PHYSICS	2007
63	Loschmidt echoes in two-body random matrix ensembles	THOMAS HENRY SELIGMAN SCHURCH Pizorn I. Prosen T.	PHYSICAL REVIEW B	2007
64	Nonperiodic echoes from mushroom billiard hats	THOMAS HENRY SELIGMAN SCHURCH Dietz B. Friedrich T. et al.	PHYSICAL REVIEW E	2006
65	Verification of generic fidelity recovery in a dynamical system	CARLOS FRANCISCO PINEDA ZORRILLA THOMAS HENRY SELIGMAN SCHURCH Schäfer R. et al.	PHYSICAL REVIEW E	2006
66	Anomalous slow fidelity decay for symmetry-breaking perturbations	THOMAS HENRY SELIGMAN SCHURCH Gorin T. Kohler H. et al.	PHYSICAL REVIEW LETTERS	2006
67	Dynamics of Loschmidt echoes and fidelity decay	THOMAS HENRY SELIGMAN SCHURCH Gorin T. Prosen T. et al.	PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS	2006
68	Scattering fidelity in elastodynamics	THOMAS HENRY SELIGMAN SCHURCH Gorin T. Weaver R.L.	PHYSICAL REVIEW E	2006
69	Evolution of pairwise entanglement in a coupled n-body system	CARLOS FRANCISCO PINEDA ZORRILLA THOMAS HENRY SELIGMAN SCHURCH	PHYSICAL REVIEW A	2006

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70	Efficient method for scattering problems in open billiards: Theory and applications	THOMAS HENRY SELIGMAN SCHURCH Akguc G.B.	PHYSICAL REVIEW B	2006
71	Anomalous slow cross symmetry phase relaxation, thermalized non-equilibrated matter and quantum computing beyond the quantum chaos border	JORGE ALBERTO MARQUEZ FLORES THOMAS HENRY SELIGMAN SCHURCH Bienert M. et al.	Symmetry, Integrability And Geometry: Methods And Applications (sigma)	2006
72	Canonically transformed detectors applied to the classical inverse scattering problem	CHRISTOF FRIEDRICH JUNG KOHL THOMAS HENRY SELIGMAN SCHURCH Torres J.M.	JOURNAL OF NONLINEAR MATHEMATICAL PHYSICS	2005
73	Fidelity amplitude of the scattering matrix in microwave cavities	THOMAS HENRY SELIGMAN SCHURCH Schäfer R. Gorin T. et al.	NEW JOURNAL OF PHYSICS	2005
74	Slow phase relaxation as a route to quantum computing beyond the quantum chaos border	JORGE ALBERTO MARQUEZ FLORES THOMAS HENRY SELIGMAN SCHURCH Kun S.Yu.	PHYSICAL REVIEW E	2005
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77	Motional stability of the quantum kicked rotor: A fidelity approach	THOMAS HENRY SELIGMAN SCHURCH Haug F. Bienert M. et al.	PHYSICAL REVIEW A	2005
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79	Connection between decoherence and fidelity decay in echo dynamics	THOMAS HENRY SELIGMAN SCHURCH Gorin T. Prosen T. et al.	PHYSICAL REVIEW A	2004
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82	A random matrix formulation of fidelity decay	THOMAS HENRY SELIGMAN SCHURCH Gorin T. Prosen T.	NEW JOURNAL OF PHYSICS	2004
83	Symmetry properties of periodic orbits extracted from scattering data	CHRISTOF FRIEDRICH JUNG KOHL THOMAS HENRY SELIGMAN SCHURCH Merlo O.	Chaos	2004
84	Correlation functions of scattering matrix elements in microwave cavities with strong absorption	THOMAS HENRY SELIGMAN SCHURCH Schäfer R. Gorin T. et al.	J PHYS A-MATH GEN	2003

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86	Estimation of purity in terms of correlation functions	THOMAS HENRY SELIGMAN SCHURCH Prosen T. ?nidaric M.	PHYSICAL REVIEW A	2003
87	Fluctuations of wavefunctions about their classical average	LUIS BENET FERNANDEZ JORGE ALBERTO MARQUEZ FLORES FRANCOIS ALAIN LEYVRAZ WALTZ et al.	J PHYS A-MATH GEN	2003
88	Phase shift experiments identifying Kramers doublets in a chaotic superconducting microwave billiard of threefold symmetry	FRANCOIS ALAIN LEYVRAZ WALTZ THOMAS HENRY SELIGMAN SCHURCH Dembowski C. et al.	PHYSICAL REVIEW LETTERS	2003
89	Decoherence in chaotic and integrable systems: A random matrix approach	THOMAS HENRY SELIGMAN SCHURCH Gorin T.	PHYSICS LETTERS A	2003
90	Wigner-Dyson statistics for a class of integrable models	LUIS BENET FERNANDEZ FRANCOIS ALAIN LEYVRAZ WALTZ THOMAS HENRY SELIGMAN SCHURCH	PHYS REV E	2003
91	Evolution of entanglement under echo dynamics	THOMAS HENRY SELIGMAN SCHURCH Prosen T. ?nidaric M.	PHYSICAL REVIEW A	2003
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93	Estimation of purity in terms of correlation functions	THOMAS HENRY SELIGMAN SCHURCH Prosen T. ?nidaric M.	PHYSICAL REVIEW A	2003
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101	Random matrix ensembles for semi-separable systems	THOMAS HENRY SELIGMAN SCHURCH Prosen T. Weidenmüller H.A.	EPL	2001
102	Invariant manifolds and collective coordinates	THOMAS HENRY SELIGMAN SCHURCH Papenbrock T.	J PHYS A-MATH GEN	2001
103	Quantum and classical echoes in scattering systems described by simple Smale horseshoes	CHRISTOF FRIEDRICH JUNG KOHL CARLOS ROBERTO MEJIA MONASTERIO THOMAS HENRY SELIGMAN SCHURCH	EPL	2001
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106	Multichannel quantum defect theory: A quantum Poincare map	FRANCOIS ALAIN LEYVRAZ WALTZ RAFAEL ALBERTO MENDEZ SANCHEZ THOMAS HENRY SELIGMAN SCHURCH et al.	PHYSICS LETTERS A	2000
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112	Structural invariance and the energy spectrum	FRANCOIS ALAIN LEYVRAZ WALTZ THOMAS HENRY SELIGMAN SCHURCH Mendez R.A.	J PHYS A-MATH GEN	1999
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123	A particle-number expansion beyond self-consistent field theory	THOMAS HENRY SELIGMAN SCHURCH Papenbrock T.	PHYSICS LETTERS A	1996
124	Transition from localized to extended eigenstates in the ensemble of power-law random banded matrices	THOMAS HENRY SELIGMAN SCHURCH Mirlin A.D. Fyodorov Y.V. et al.	PHYS REV E	1996
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126	Universal parametric correlations of the eigenphases of the S-matrix	THOMAS HENRY SELIGMAN SCHURCH Dietz B. Lombardi M.	PHYSICS LETTERS A	1996
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129	Quantum signatures of an integrable system with a chaotic scattering map	CHRISTOF FRIEDRICH JUNG KOHL THOMAS HENRY SELIGMAN SCHURCH	J PHYS A-MATH GEN	1995
130	Scattering one step from chaos	CHRISTOF FRIEDRICH JUNG KOHL CARLOS ROBERTO MEJIA MONASTERIO THOMAS HENRY SELIGMAN SCHURCH	PHYSICS LETTERS A	1995
131	New evidence of GOE statistics for compound nuclear resonances	THOMAS HENRY SELIGMAN SCHURCH Lombardi M. Bohigas O.	PHYSICS LETTERS B	1994
132	Semi-classical periodic-orbit theory for chaotic Hamiltonians with discrete symmetries	THOMAS HENRY SELIGMAN SCHURCH Weidenmuller H.A.	J PHYS A-MATH GEN	1994
133	Universal and nonuniversal statistical properties of levels and intensities for chaotic Rydberg molecules	THOMAS HENRY SELIGMAN SCHURCH Lombardi M.	PHYSICAL REVIEW A	1993
134	Quantum signatures of classical chaos: Sensitivity of wave functions to perturbations	LUIS BENET FERNANDEZ THOMAS HENRY SELIGMAN SCHURCH Weidenmüller H.A.	PHYSICAL REVIEW LETTERS	1993
135	Resonant response models for the Valley of Mexico - II. The trapping of horizontal P waves	JOSE LUIS MATEOS TRIGOS JORGE ALBERTO MARQUEZ FLORES OCTAVIO AUGUSTO NOVARO Y PEÑALOZA et al.	GEOPHYSICAL JOURNAL INTERNATIONAL	1993
136	Generation of inhomogeneous P waves in a layered medium	JOSE LUIS MATEOS TRIGOS JORGE ALBERTO MARQUEZ FLORES OCTAVIO AUGUSTO NOVARO Y PEÑALOZA et al.	Tectonophysics	1993
137	Computer simulation of neutral atom traps	ARMANDO ANTILLON DIAZ THOMAS HENRY SELIGMAN SCHURCH Góngora-T. A.	Z PHYS D ATOM MOL CL	1992
138	Quantum-mechanical representations of canonical transformations and adiabatic invariance	FRANCOIS ALAIN LEYVRAZ WALTZ THOMAS HENRY SELIGMAN SCHURCH	Journal Of Soviet Laser Research	1992
139	Structural invariance and the statistics of quasi-energies	FRANCOIS ALAIN LEYVRAZ WALTZ THOMAS HENRY SELIGMAN SCHURCH	PHYSICS LETTERS A	1992
140	Is there incomplete mixing of states with different K quantum numbers in the neutron resonance region?	THOMAS HENRY SELIGMAN SCHURCH Barrett B.R. Casten R.F. et al.	PHYSICAL REVIEW C	1992
141	Chaotic behaviour of scattering induced by strong external coupling	THOMAS HENRY SELIGMAN SCHURCH Dittes F.-M. Rotter I.	PHYSICS LETTERS A	1991

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142	Novel signature of chaos in quantum-mechanical states	FRANCOIS ALAIN LEYVRAZ WALTZ THOMAS HENRY SELIGMAN SCHURCH Quezada J. et al.	PHYSICAL REVIEW LETTERS	1991
143	Computer simulation of magnetically trapped neutral atoms	THOMAS HENRY SELIGMAN SCHURCH Gngora-T. A. Antilln A.	PHYSICAL REVIEW A	1990
144	Self-consistent perturbation theory for random matrix ensembles	FRANCOIS ALAIN LEYVRAZ WALTZ THOMAS HENRY SELIGMAN SCHURCH	J PHYS A-MATH GEN	1990
145	Two-dimensional model for site-effect studies of microtremors in the San Fernando Valley	OCTAVIO AUGUSTO NOVARO Y PEÑALOZA THOMAS HENRY SELIGMAN SCHURCH JOSE LUIS MATEOS TRIGOS et al.	Bulletin - Seismological Society Of America	1990
146	Resonant response models for the Valley of Mexico - I; the elastic inclusion approach	THOMAS HENRY SELIGMAN SCHURCH JOSE LUIS MATEOS TRIGOS JORGE ALBERTO MARQUEZ FLORES et al.	GEOPHYSICAL JOURNAL INTERNATIONAL	1989
147	Sequences of point transformations and linear canonical transformations in classical and quantum mechanics	FRANCOIS ALAIN LEYVRAZ WALTZ THOMAS HENRY SELIGMAN SCHURCH	JOURNAL OF MATHEMATICAL PHYSICS	1989
148	Possible resonance effect in the distribution of earthquake damage in Mexico City	JORGE ALBERTO MARQUEZ FLORES OCTAVIO AUGUSTO NOVARO Y PEÑALOZA THOMAS HENRY SELIGMAN SCHURCH	Nature	1987
149	Earthquake damage [3]	JORGE ALBERTO MARQUEZ FLORES OCTAVIO AUGUSTO NOVARO Y PEÑALOZA THOMAS HENRY SELIGMAN SCHURCH	Nature	1987
150	Long-range stiffness of spectral fluctuations in integrable scale-invariant systems	THOMAS HENRY SELIGMAN SCHURCH Verbaarschot J.J.M.	J PHYS A-MATH GEN	1987
151	Energy-level statistics of integrable quantum systems [1]	THOMAS HENRY SELIGMAN SCHURCH Verbaarschot J.J.M.	PHYSICAL REVIEW LETTERS	1986
152	Chaotic motion and collective nuclear rotation	THOMAS HENRY SELIGMAN SCHURCH Verbaarschot J.J.M. Weidenmüller H.A.	PHYSICS LETTERS B	1986
153	Quantum mechanics in coherent algebras on phase space	THOMAS HENRY SELIGMAN SCHURCH Lesche B.	J PHYS A-MATH GEN	1986
154	Quantum spectra of classically chaotic systems without time reversal invariance	THOMAS HENRY SELIGMAN SCHURCH Verbaarschot J.J.M.	PHYSICS LETTERS A	1985
155	Spectral fluctuation properties of Hamiltonian systems: The transition region between order and chaos	THOMAS HENRY SELIGMAN SCHURCH Verbaarschot J.J.M. Zirnbauer M.R.	J PHYS A-MATH GEN	1985
156	Scale-invariant Lyapunov exponents for classical hamiltonian systems	THOMAS HENRY SELIGMAN SCHURCH Verbaarschot J.J.M. Zirnbauer M.R.	PHYSICS LETTERS A	1985

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157	Information theory and statistical nuclear reactions. I. General theory and applications to few-channel problems	PIER ACHILLE MELLO PICCO THOMAS HENRY SELIGMAN SCHURCH Pereyra P.	ANNALS OF PHYSICS	1985
158	Fluctuations of quantum spectra and their semiclassical limit in the transition between order and chaos	THOMAS HENRY SELIGMAN SCHURCH Verbaarschot J.J.M.	J PHYS A-MATH GEN	1985
159	Quantum spectra and transition from regular to chaotic classical motion	THOMAS HENRY SELIGMAN SCHURCH Verbaarschot J.J.M. Zirnbauer M.R.	PHYSICAL REVIEW LETTERS	1984
160	Condensation of eigenphases and the elastic enhancement of average nuclear cross-sections	THOMAS HENRY SELIGMAN SCHURCH	Zeitschrift Für Physik A: Atoms And Nuclei	1982
161	Comment on quantum representations of non-bijective canonical transformations	ARMANDO ANTILLON DIAZ THOMAS HENRY SELIGMAN SCHURCH Lesche B.	J PHYS A-MATH GEN	1982
162	Internal labels of degenerate representations	THOMAS HENRY SELIGMAN SCHURCH Sharp R.T.	JOURNAL OF MATHEMATICAL PHYSICS	1982
163	Explicit expressions for double Gel'fand states	ARMANDO ANTILLON DIAZ THOMAS HENRY SELIGMAN SCHURCH	JOURNAL OF MATHEMATICAL PHYSICS	1981
164	The statistical distribution of the S-matrix in the one-channel case	PIER ACHILLE MELLO PICCO THOMAS HENRY SELIGMAN SCHURCH López G.	Zeitschrift Für Physik A: Atoms And Nuclei	1981
165	Spectroscopic amplitudes for complex cluster systems	THOMAS HENRY SELIGMAN SCHURCH Hecht K.T. Reske E.J. et al.	NUCLEAR PHYSICS A	1981
166	Comparison between the entropy approach and Monte Carlo calculations for statistical nuclear reactions	PIER ACHILLE MELLO PICCO THOMAS HENRY SELIGMAN SCHURCH Hofmann H.M. et al.	NUCLEAR PHYSICS A	1981
167	Canonical transformations relating the oscillator and Coulomb problems and their relevance for collective motions	MARCOS MOSHINSKY BORODINASKY THOMAS HENRY SELIGMAN SCHURCH	JOURNAL OF MATHEMATICAL PHYSICS	1980
168	Generalization of a theorem by Hardy, Littlewood, and Pólya	THOMAS HENRY SELIGMAN SCHURCH Ruch, E. Schraner, R.	JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS	1980
169	Analyticity and ergodicity in the maximum-entropy approach to statistical nuclear reactions	PIER ACHILLE MELLO PICCO THOMAS HENRY SELIGMAN SCHURCH de los Reyes J.	Zeitschrift Für Physik A: Atoms And Nuclei	1980
170	On the structure of phase space	MARCOS MOSHINSKY BORODINASKY THOMAS HENRY SELIGMAN SCHURCH	JOURNAL OF MATHEMATICAL PHYSICS	1980

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171	Partial isometries and quotient structures in Hilbert spaces	THOMAS HENRY SELIGMAN SCHURCH Plebanski J.F.	REPORTS ON MATHEMATICAL PHYSICS	1980
172	The relation between channel averages and energy averaged cross sections	THOMAS HENRY SELIGMAN SCHURCH Nemes M.C.	Zeitschrift Für Physik A: Atoms And Nuclei	1980
173	Canonical transformations to action and angle variables and their representation in quantum mechanics II. The coulomb problem	MARCOS MOSHINSKY BORODINASKY THOMAS HENRY SELIGMAN SCHURCH	ANNALS OF PHYSICS	1979
174	Bilateral classes	THOMAS HENRY SELIGMAN SCHURCH Hasselbarth W. Ruch E. et al.	JOURNAL OF MATHEMATICAL PHYSICS	1979
175	Canonical transformation to action and angle variables and their representations	MARCOS MOSHINSKY BORODINASKY THOMAS HENRY SELIGMAN SCHURCH	J PHYS A-MATH GEN	1979
176	Surprisal approach to improved Hauser-Feshbach formulae	THOMAS HENRY SELIGMAN SCHURCH Nemes M.C.	PHYSICS LETTERS B	1979
177	The mixing distance	THOMAS HENRY SELIGMAN SCHURCH Ruch E. Schraner R.	JOURNAL OF CHEMICAL PHYSICS	1978
178	Canonical transformations to action and angle variables and their representations in quantum mechanics	MARCOS MOSHINSKY BORODINASKY THOMAS HENRY SELIGMAN SCHURCH	ANNALS OF PHYSICS	1978
179	Nonbijective canonical transformations and their representation in quantum mechanics	MARCOS MOSHINSKY BORODINASKY THOMAS HENRY SELIGMAN SCHURCH Kramer P.	JOURNAL OF MATHEMATICAL PHYSICS	1977
180	A criterion for the applicability of an integral transform in n-body reaction calculations	THOMAS HENRY SELIGMAN SCHURCH Martignon L.	NUCLEAR PHYSICS A	1977
181	α^* clusters in ^{12}C	THOMAS HENRY SELIGMAN SCHURCH Hackenbroich H.H. Zahn W.	NUCLEAR PHYSICS A	1976
182	Applications of the Bargmann-Segal transform to nuclear systems of complex clusters	THOMAS HENRY SELIGMAN SCHURCH Zahn W.	Journal Of Physics G: Nuclear Physics	1976
183	A highly excited rotational band in ^8Be due to excited α -clusters	THOMAS HENRY SELIGMAN SCHURCH Hackenbroich H.H. Zahn W. et al.	PHYSICS LETTERS B	1976
184	A connection between the representations of $U(n)$ and bases for representations of $U(n)$ {division times} $U(n)$	THOMAS HENRY SELIGMAN SCHURCH Brunet M.	REPORTS ON MATHEMATICAL PHYSICS	1975
185	Spin recoupling and n-electron matrix elements	THOMAS HENRY SELIGMAN SCHURCH Gouyet J.F. Schraner R.	J PHYS A-MATH GEN	1975

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186	A second quantized formulation of valence bond theory	THOMAS HENRY SELIGMAN SCHURCH Cantu A.A. Klein D.J. et al.	THEOR CHIM ACTA	1975
187	Alpha particle model calculations for ^{12}C and ^{16}O	FERNANDO MATIAS MORENO YNNIAGO THOMAS HENRY SELIGMAN SCHURCH Mendez-Moreno R.M.	NUCLEAR PHYSICS A	1974
188	Supermultiplet expansion for nuclear reactions	THOMAS HENRY SELIGMAN SCHURCH John G.	NUCLEAR PHYSICS A	1974
189	Harmonic oscillator states and the α -particle. III. Matrix elements and form factor for states of arbitrary symmetry	THOMAS HENRY SELIGMAN SCHURCH Mendez-Moreno R.M.	ANNALS OF PHYSICS	1974
190	Canonical transformations applied to the free Landau electron	THOMAS HENRY SELIGMAN SCHURCH Boon M.H.	JOURNAL OF MATHEMATICAL PHYSICS	1973
191	Narrow resonances at thresholds in light nuclei	THOMAS HENRY SELIGMAN SCHURCH Hackenbroich H.H.	PHYSICS LETTERS B	1972
192	Studies in the nuclear cluster model. (III). The k -cluster configuration	THOMAS HENRY SELIGMAN SCHURCH Kramer P.	NUCLEAR PHYSICS A	1972
193	The Weyl basis of the unitary group $U(k)$	THOMAS HENRY SELIGMAN SCHURCH	JOURNAL OF MATHEMATICAL PHYSICS	1972
194	Canonical transformations and the radial oscillator and Coulomb problems	MARCOS MOSHINSKY BORODINASKY THOMAS HENRY SELIGMAN SCHURCH KURT BERNARDO WOLF BOGNER	JOURNAL OF MATHEMATICAL PHYSICS	1972
195	A variational calculation of ^{16}O in the α -particle model	THOMAS HENRY SELIGMAN SCHURCH Méndez V. R.Ma.	PHYSICS LETTERS B	1971
196	Group theory and second quantization for nonorthogonal orbitals	MARCOS MOSHINSKY BORODINASKY THOMAS HENRY SELIGMAN SCHURCH	ANNALS OF PHYSICS	1971
197	Studies in the nuclear cluster model. (II). Two-cluster configurations	THOMAS HENRY SELIGMAN SCHURCH Kramer P.	NUCLEAR PHYSICS A	1969
198	Origin of regge symmetry for wigner coefficients of $LU(2)$	THOMAS HENRY SELIGMAN SCHURCH Kramer P.	EUROPEAN PHYSICAL JOURNAL A	1969
199	Studies in the nuclear cluster model. (I). Matrix elements in the supermultiplet scheme	THOMAS HENRY SELIGMAN SCHURCH Kramer P.	NUCLEAR PHYSICS A	1969



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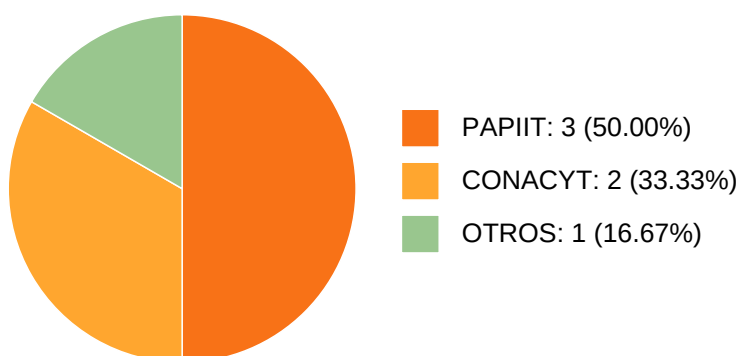
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PARTICIPACIÓN EN PROYECTOS

Histórico de participación en proyectos



#	Nombre	Participantes	Fuente	Fecha inicio	Fecha fin
1	Sistemas abiertos clásicos y cuánticos: análisis y modelaje	THOMAS HENRY SELIGMAN SCHURCH	Recursos PAPIIT	01-01-2016	31-12-2018
2	Sistemas clásicos y cuánticos abiertos.	THOMAS HENRY SELIGMAN SCHURCH	Recursos CONACYT	16-02-2015	15-02-2018
3	Nuevas técnicas de análisis y modelación multivariados: Econofísica y otros sistemas complejos.	THOMAS HENRY SELIGMAN SCHURCH	Recursos CONACYT	13-05-2016	12-05-2018
4	Dinámica compleja desde nanosistemas hasta mecánica celeste.	THOMAS HENRY SELIGMAN SCHURCH	Recursos PAPIIT	01-01-2019	31-12-2021
5	Dinámica de sistemas complejos desde mecánica celeste y mercados financieros hasta transporte y dispositivos cuánticos	THOMAS HENRY SELIGMAN SCHURCH LUIS BENET FERNANDEZ CHRISTOF FRIEDRICH JUNG KOHL	Recursos PAPIIT	01-01-2022	31-12-2024
6	Transporte electrónico en complejos orgánicos y sus realizaciones en grafos.	THOMAS HENRY SELIGMAN SCHURCH	Recursos CONAHCyT	30-08-2023	30-11-2025



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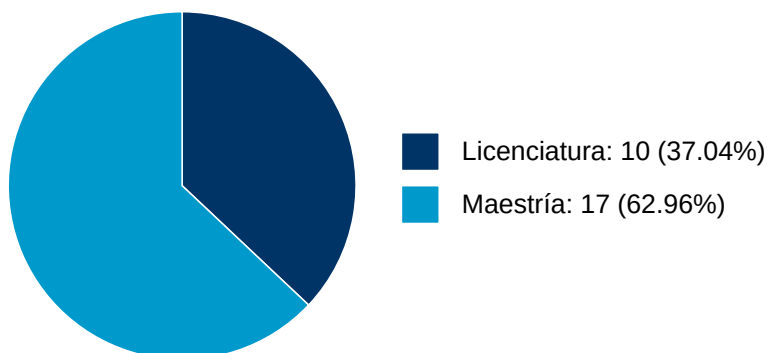
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DOCENCIA IMPARTIDA

Histórico de docencia



#	Nivel titulación	Asignatura	Entidad	Alumnos	Semestre
1	Licenciatura	MECANICA CUANTICA	Facultad de Ciencias	34	2024-2
2	Maestría	SISTEMAS DINÁMICOS NO LINEALES Y CAOS (FÍSICA ESTADÍSTICA Y SISTEMAS COMPLEJOS)	Instituto de Física	3	2024-1
3	Maestría	FÍSICA NO LINEAL Y SISTEMAS COMPLEJOS I (FÍSICA ESTADÍSTICA Y SISTEMAS COMPLEJOS)	Instituto de Física	6	2023-2
4	Maestría	TEMAS SELECTOS CORRELACIONES CLÁSICAS Y CUÁNTICAS: TEORÍA, TÉCNICAS Y APLICACIONES DESDE ECONOFÍSICA, SOCIOFÍSICA	Instituto de Ciencias Físicas	1	2023-1
5	Maestría	TEMAS SELECTOS	Instituto de Física	2	2022-1
6	Maestría	TEMAS SELECTOS CORRELACIONES CLÁSICAS Y CUÁNTICAS: TEORÍA, TÉCNICAS Y APLICACIONES DESDE ECONOFÍSICA HASTA HAST	Instituto de Ciencias Físicas	2	2021-2
7	Licenciatura	TEM.SELEC.DE FISICA COMPUTACIO. I	Facultad de Ciencias	6	2021-1
8	Licenciatura	INTRODUCCION A LA FISICA CUANTICA	Facultad de Ciencias	26	2020-1
9	Maestría	SEMINARIO DE INVESTIGACIÓN II	Instituto de Ciencias Físicas	1	2017-2
10	Maestría	SEMINARIO DE INVESTIGACION I-394286	Instituto de Ciencias Físicas	1	2017-1

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11	Maestría	SISTEMAS MESOSCOPICOS	Instituto de Ciencias Aplicadas y Tecnología	1	2016-2
12	Maestría	SEMINARIO DE INVESTIGACION II	Instituto de Ciencias Físicas	1	2016-1
13	Maestría	SEMINARIO DE INVESTIGACION II	Instituto de Ciencias Físicas	2	2015-2
14	Maestría	SEMINARIO DE INVESTIGACION I	Instituto de Ciencias Físicas	1	2015-2
15	Maestría	FISICA NO LINEAL Y SISTEMAS COMPLEJOS	Instituto de Ciencias Físicas	2	2015-2
16	Maestría	SEMINARIO DE INVESTIGACION I	Instituto de Ciencias Físicas	2	2015-1
17	Maestría	SEMINARIO DE INVESTIGACION II	Instituto de Ciencias Físicas	1	2014-1
18	Maestría	SEMINARIO DE INVESTIGACION I	Instituto de Ciencias Físicas	1	2013-2
19	Licenciatura	FENOMENOS COLECTIVOS	Facultad de Ciencias	16	2011-2
20	Licenciatura	FENOMENOS COLECTIVOS	Facultad de Ciencias	21	2011-1
21	Maestría	SEMINARIO DE INVESTIGACION II	Instituto de Ciencias Físicas	1	2011-1
22	Maestría	SEMINARIO DE INVESTIGACION I	Instituto de Ciencias Físicas	1	2010-2
23	Licenciatura	TEM. SELEC. FISICA MATEMAT. TEOR.II	Facultad de Ciencias	4	2010-2
24	Licenciatura	FENOMENOS COLECTIVOS	Facultad de Ciencias	6	2010-1
25	Licenciatura	FENOMENOS COLECTIVOS	Facultad de Ciencias	8	2009-2
26	Licenciatura	TEM. SELEC. FISICA MATEMAT. TEOR.II	Facultad de Ciencias	5	2009-1
27	Licenciatura	SIMETRIAS EN MECANICA CUANTICA	Facultad de Ciencias	7	2008-2



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PATENTES

No se encuentran registros en la base de datos de patentes asociados a:

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FUENTES DE INFORMACIÓN

Internos

#	Información	Fuente	Sistema	Periodo
1	Grupos ordinarios y resumen de historias académicas	DGAE	SIAE	2008-2025
2	Nombramientos, datos generales, estímulos, premios y reconocimientos	DGAPA	RUPA	2008-2025
3	Producción Académica	CH	Humanindex	2008-2021
4	Producción Académica	CIC	SCIC	2000-2017
5	Proyectos	DGPO	SISEPRO	2018-2022
6	Tesis	DGB	TESIUNAM	2008-2025
7	Tutorías en Posgrado	CGEP	SIIPosgrado	2008-2021

Externos

#	Información	Fuente	Sistema	Periodo
8	Documentos Indexados	Elsevier	Scopus	2008-2025
9	Documentos Indexados	Thomson Reuters	WoS	2008-2025
10	Obras con registro ISBN	INDAUTOR	Agencia ISBN	2008-2025
11	Patentes	IMPI	SIGA	2008-2024