



Sistema Integral de Información Académica
Coordinación de Planeación, Evaluación y
Simplificación de la Gestión Institucional
Reporte individual



ROBERTO ALLAN SUSSMAN LIVOVSKY

Datos Generales

Nombre: ROBERTO ALLAN SUSSMAN LIVOVSKY

Máximo nivel de estudios: POSDOCTORADO

Antigüedad académica en la UNAM: 36 años

Nombramientos

Vigente: INVESTIGADOR TITULAR B TC Definitivo
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Desde 01-01-2008 (fecha inicial de registros en el SIIA)

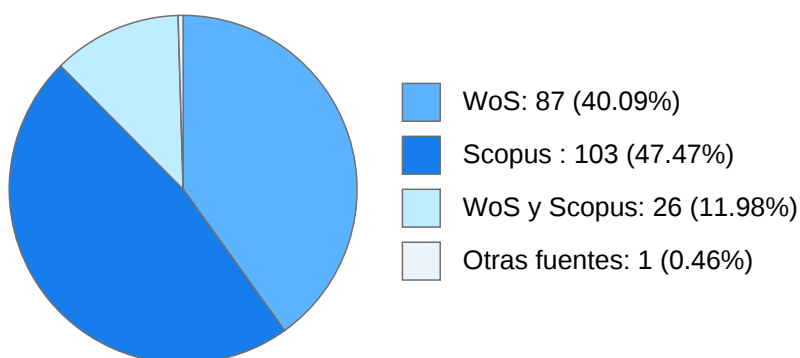
Estímulos, programas, premios y reconocimientos

SNI III 2023 - VIGENTE
SNI II - 2022
PRIDE D 2011 - 2024
PRIDE C - 2011

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DOCUMENTOS EN REVISTAS

Histórico de Documentos



#	Título	Autores	Revista	Año
1	Growth rate of spherical voids with non-comoving dark matter and baryons	FERNANDO ALEJANDRO PIZAÑA PEREZ JUAN CARLOS HIDALGO CUELLAR ROBERTO ALLAN SUSSMAN LIVOVSKY et al.	CLASSICAL AND QUANTUM GRAVITY	2024
2	Analytical methods and experimental quality in studies targeting carbonyls in electronic cigarette aerosols	ROBERTO ALLAN SUSSMAN LIVOVSKY Federica Maria Sipala Simone Ronsisvalle et al.	Frontiers in Chemistry	2024
3	Schouten-Codazzi gravity	ROBERTO ALLAN SUSSMAN LIVOVSKY SEBASTIAN NAJERA VALENCIA	CLASSICAL AND QUANTUM GRAVITY	2024
4	Aerosol Emissions from Heated Tobacco Products: A Review Focusing on Carbonyls, Analytical Methods, and Experimental Quality	ROBERTO ALLAN SUSSMAN LIVOVSKY Sipala F. Emma R. et al.	Toxics	2023
5	Inhomogeneous solutions in $f(T, B)$ gravity	SEBASTIAN NAJERA VALENCIA CELIA DEL CARMEN ESCAMILLA RIVERA ROBERTO ALLAN SUSSMAN LIVOVSKY et al.	INTERNATIONAL JOURNAL OF GEOMETRIC METHODS IN MODERN PHYSICS	2022

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6	Analytic modeling and risk assessment of aerial transmission of SARS-CoV-2 virus through vaping expirations in shared micro-environments	ROBERTO ALLAN SUSSMAN LIVOVSKY Golberstein E. Polosa R.	ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH	2022
7	Critical Review of the Recent Literature on Organic Byproducts in E-Cigarette Aerosol Emissions	ROBERTO ALLAN SUSSMAN LIVOVSKY Soulet S.	Toxics	2022
8	Evolution equations dynamical system of the Lemaitre-Tolman-Bondi metric containing coupled dark energy	ROBERTO ALLAN SUSSMAN LIVOVSKY Izquierdo G. Roberto C. Blanquet-Jaramillo et al.	MODERN PHYSICS LETTERS A	2022
9	Gravitational entropy in Szekeres class I models	FERNANDO ALEJANDRO PIZAÑA PEREZ ROBERTO ALLAN SUSSMAN LIVOVSKY JUAN CARLOS HIDALGO CUELLAR	CLASSICAL AND QUANTUM GRAVITY	2022
10	A Critical Review of Recent Literature on Metal Contents in E-Cigarette Aerosol	ROBERTO ALLAN SUSSMAN LIVOVSKY Soulet S.	Toxics	2022
11	Pancakes as opposed to Swiss cheese	ROBERTO ALLAN SUSSMAN LIVOVSKY S. Najera	CLASSICAL AND QUANTUM GRAVITY	2021
12	Gaiha et al. Response	ROBERTO ALLAN SUSSMAN LIVOVSKY Rich J.J.	JOURNAL OF ADOLESCENT HEALTH	2021
13	Aerial Transmission of the SARS-CoV-2 Virus through Environmental E-Cigarette Aerosols: Implications for Public Policies	ROBERTO ALLAN SUSSMAN LIVOVSKY Golberstein E. Polosa R.	INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH AND PUBLIC HEALTH	2021
14	Comment on "Szekeres universes with homogeneous scalar fields"	ROBERTO ALLAN SUSSMAN LIVOVSKY Delgado Gaspar I. McNutt D.D. et al.	EUROPEAN PHYSICAL JOURNAL C	2021
15	Non-comoving cold dark matter in a Lambda CDM background	SEBASTIAN NAJERA VALENCIA ROBERTO ALLAN SUSSMAN LIVOVSKY	EUROPEAN PHYSICAL JOURNAL C	2021
16	Modeling Aerial Transmission of Pathogens (Including the SARS-CoV-2 Virus) through Aerosol Emissions from E-Cigarettes	ROBERTO ALLAN SUSSMAN LIVOVSKY Eliana Golberstein Riccardo Polosa	APPLIED SCIENCES-BASEL	2021
17	Non-comoving baryons and cold dark matter in cosmic voids	JUAN CARLOS HIDALGO CUELLAR ROBERTO ALLAN SUSSMAN LIVOVSKY Gaspar I.D.	EUROPEAN PHYSICAL JOURNAL C	2019

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18	Approaching the Dark Sector through a bounding curvature criterion	XAVIER NICOLAS HERNANDEZ DORING ROBERTO ALLAN SUSSMAN LIVOVSKY L. Nasser	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2019
19	Cosmological backreaction in spherical and plane symmetric dust-filled space-times	ROBERTO ALLAN SUSSMAN LIVOVSKY Timothy Clifton	CLASSICAL AND QUANTUM GRAVITY	2019
20	Dynamics of a spherically symmetric inhomogeneous coupled dark energy model with coupling term proportional to non relativistic matter	ROBERTO ALLAN SUSSMAN LIVOVSKY Izquierdo G. Blanquet-Jaramillo R.C.	GENERAL RELATIVITY AND GRAVITATION	2018
21	Interactive mixture of inhomogeneous dark fluids driven by dark energy: a dynamical system analysis	Izquierdo G. ROBERTO ALLAN SUSSMAN LIVOVSKY Blanquet-Jaramillo R.C.	EUROPEAN PHYSICAL JOURNAL C	2018
22	Black hole formation from the gravitational collapse of a nonspherical network of structures	JUAN CARLOS HIDALGO CUELLAR ROBERTO ALLAN SUSSMAN LIVOVSKY Ismael Delgado Gaspar et al.	PHYSICAL REVIEW D	2018
23	Geometric and physical properties of closed ever expanding dust models	SEBASTIAN NAJERA VALENCIA ROBERTO ALLAN SUSSMAN LIVOVSKY	GENERAL RELATIVITY AND GRAVITATION	2018
24	Nonspherical Szekeres models in the language of cosmological perturbations	ROBERTO ALLAN SUSSMAN LIVOVSKY JUAN CARLOS HIDALGO CUELLAR GABRIEL GERMAN VELARDE et al.	PHYSICAL REVIEW D	2017
25	Lemaitre-Tolman-Bondi dust solutions in $f(R)$ gravity	ROBERTO ALLAN SUSSMAN LIVOVSKY LUISA GUADALUPE JAIME GONZALEZ	CLASSICAL AND QUANTUM GRAVITY	2017
26	General bounds in Hybrid Natural Inflation	GABRIEL GERMAN VELARDE JUAN CARLOS HIDALGO CUELLAR ROBERTO ALLAN SUSSMAN LIVOVSKY et al.	JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS	2017
27	A non-perturbative study of the evolution of cosmic magnetised sources	GABRIELLA PICCINELLI BOCCHI ROBERTO ALLAN SUSSMAN LIVOVSKY Gaspar, I. Delgado et al.	GENERAL RELATIVITY AND GRAVITATION	2016
28	Canonical single field slow-roll inflation with a non-monotonic tensor-to-scalar ratio	GABRIEL GERMAN VELARDE JUAN CARLOS HIDALGO CUELLAR ROBERTO ALLAN SUSSMAN LIVOVSKY et al.	JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS	2016

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29	Coarse-grained description of cosmic structure from Szekeres models	ROBERTO ALLAN SUSSMAN LIVOVSKY JUAN CARLOS HIDALGO CUELLAR Gaspar, I. Delgado	JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS	2016
30	Coarse-grained description of cosmic structure from Szekeres models (vol 3, 012, 2016)	ROBERTO ALLAN SUSSMAN LIVOVSKY JUAN CARLOS HIDALGO CUELLAR Delgado Gaspar, I.	JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS	2016
31	Spherical dust fluctuations: The exact versus the perturbative approach	ROBERTO ALLAN SUSSMAN LIVOVSKY JUAN CARLOS HIDALGO CUELLAR GABRIEL GERMAN VELARDE et al.	PHYSICAL REVIEW D	2015
32	Gravitational entropy of local cosmic voids	ROBERTO ALLAN SUSSMAN LIVOVSKY Larena, Julien	CLASSICAL AND QUANTUM GRAVITY	2015
33	Multiple nonspherical structures from the extrema of Szekeres scalars	ROBERTO ALLAN SUSSMAN LIVOVSKY Delgado Gaspar, I.	PHYSICAL REVIEW D	2015
34	Early Universe evolution in presence of magnetic fields	GABRIELLA PICCINELLI BOCCHI ROBERTO ALLAN SUSSMAN LIVOVSKY Delgado Gaspar, I. et al.	ASTRONOMISCH E NACHRICHTEN	2015
35	Scalar averaging in szekeres models	ROBERTO ALLAN SUSSMAN LIVOVSKY	Springer proceedings in physics	2014
36	Non-spherical voids: The best alternative to dark energy?	ROBERTO ALLAN SUSSMAN LIVOVSKY	Astrophysics and Space Science Proceedings	2014
37	Gravitational entropies in LTB dust models	ROBERTO ALLAN SUSSMAN LIVOVSKY Larena, Julien	CLASSICAL AND QUANTUM GRAVITY	2014
38	Testing hybrid natural inflation with BICEP2	Mariana Carrillo Gonzalez GABRIEL GERMAN VELARDE JUAN CARLOS HIDALGO CUELLAR et al.	PHYSICS LETTERS B	2014
39	Gravitational entropy of cosmic expansion	ROBERTO ALLAN SUSSMAN LIVOVSKY	ASTRONOMISCH E NACHRICHTEN	2014
40	Gravity induced evolution of a magnetized fermion gas with finite temperature	ROBERTO ALLAN SUSSMAN LIVOVSKY A. Ulacia Rey Delgado Gaspar, I. et al.	ASTRONOMISCH E NACHRICHTEN	2014
41	Gravitational entropy of dust sources in General Relativity.	ROBERTO ALLAN SUSSMAN LIVOVSKY	AIP Conference Proceedings	2014

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42	Weighed scalar averaging in LTB dust models: Part I. Statistical fluctuations and gravitational entropy	ROBERTO ALLAN SUSSMAN LIVOVSKY	CLASSICAL AND QUANTUM GRAVITY	2013
43	Weighed scalar averaging in LTB dust models: Part II. A formalism of exact perturbations	ROBERTO ALLAN SUSSMAN LIVOVSKY	CLASSICAL AND QUANTUM GRAVITY	2013
44	Gravitational collapse of a magnetized fermion gas with finite temperature	ROBERTO ALLAN SUSSMAN LIVOVSKY A. Ulacia Rey Delgado Gaspar, I. et al.	EUROPEAN PHYSICAL JOURNAL C	2013
45	Invariant characterization of the growing and decaying density modes in LTB dust models	ROBERTO ALLAN SUSSMAN LIVOVSKY	CLASSICAL AND QUANTUM GRAVITY	2013
46	Scalar averaging in Szekeres dust models	ROBERTO ALLAN SUSSMAN LIVOVSKY	AIP Conference Proceedings	2013
47	A novel approach to the dynamics of Szekeres dust models	ROBERTO ALLAN SUSSMAN LIVOVSKY Bolejko, Krzysztof	CLASSICAL AND QUANTUM GRAVITY	2012
48	Erratum: Dark energy or apparent acceleration due to a relativistic cosmological model more complex than the Friedmann-Lemaître-Robertson-Walker model? (Physical Review D - Particles, Fields, Gravitation and Cosmology (2008) 78 (123531))	ROBERTO ALLAN SUSSMAN LIVOVSKY Ishak M. Richardson J. et al.	PHYSICAL REVIEW D	2011
49	A dynamical system study of the inhomogeneous Lambda-CDM model	ROBERTO ALLAN SUSSMAN LIVOVSKY Izquierdo, German	CLASSICAL AND QUANTUM GRAVITY	2011
50	Cosmic spherical void via coarse-graining and averaging non-spherical structures	Krzysztof Bolejko ROBERTO ALLAN SUSSMAN LIVOVSKY	PHYSICS LETTERS B	2011
51	Back-reaction and effective acceleration in generic LTB dust models	ROBERTO ALLAN SUSSMAN LIVOVSKY	CLASSICAL AND QUANTUM GRAVITY	2011
52	NON-SPHERICAL VOIDS: THE BEST ALTERNATIVE TO DARK ENERGY?	ROBERTO ALLAN SUSSMAN LIVOVSKY	INTERNATIONAL JOURNAL OF MODERN PHYSICS E	2011
53	Dynamics of a self-gravitating neutron source	A. Ulacia Rey ROBERTO ALLAN SUSSMAN LIVOVSKY Manreza Paret, D. et al.	JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS	2010

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54	Evolution of radial profiles in regular Lemaitre-Tolman-Bondi dust models	ROBERTO ALLAN SUSSMAN LIVOVSKY	CLASSICAL AND QUANTUM GRAVITY	2010
55	Radial asymptotics of Lemaitre-Tolman-Bondi dust models	ROBERTO ALLAN SUSSMAN LIVOVSKY	GENERAL RELATIVITY AND GRAVITATION	2010
56	Quasi-local variables and scalar averaging in LTB dust models	ROBERTO ALLAN SUSSMAN LIVOVSKY	AIP Conference Proceedings	2010
57	Self-gravitating dissipative sources in the "fluid flow" approach	ROBERTO ALLAN SUSSMAN LIVOVSKY	AIP Conference Proceedings	2010
58	General analytic results on averaging Lemaitre-Tolman-Bondi models	ROBERTO ALLAN SUSSMAN LIVOVSKY	AIP Conference Proceedings	2010
59	Quasilocal variables in spherical symmetry: Numerical applications to dark matter and dark energy sources	ROBERTO ALLAN SUSSMAN LIVOVSKY	PHYSICAL REVIEW D	2009
60	The derivation of constraints on the msugra parameter space from the entropy of dark matter halos	MYRIAM MONDRAGON CEBALLOS LUKAS NELLEN FILLA DARIO NUÑEZ ZUÑIGA et al.	AIP Conference Proceedings	2009
61	A dynamical system approach to inhomogeneous dust solutions	ROBERTO ALLAN SUSSMAN LIVOVSKY	CLASSICAL AND QUANTUM GRAVITY	2008
62	Local dynamics and gravitational collapse of a self-gravitating magnetized Fermi gas	ROBERTO ALLAN SUSSMAN LIVOVSKY Rey, A. Ulacia Martinez, A. Perez	GENERAL RELATIVITY AND GRAVITATION	2008
63	Constraining the mSUGRA (minimal supergravity) parameter space using the entropy of dark matter halos	DARIO NUÑEZ ZUÑIGA Jesus Zavala LUKAS NELLEN FILLA et al.	JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS	2008
64	Dark energy or apparent acceleration due to a relativistic cosmological model more complex than the Friedmann-Lemaitre-Robertson-Walker model?	ROBERTO ALLAN SUSSMAN LIVOVSKY Ishak, Mustapha Richardson, James et al.	PHYSICAL REVIEW D	2008
65	Quasi-local variables and inhomogeneous cosmological sources with spherical symmetry	ROBERTO ALLAN SUSSMAN LIVOVSKY	AIP Conference Proceedings	2008
66	Dynamics of a self-gravitating magnetized source	ROBERTO ALLAN SUSSMAN LIVOVSKY Ulacia Rey A. Pérez Martínez A.	INTERNATIONAL JOURNAL OF MODERN PHYSICS D	2007

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67	Constraining the mSUGRA parameter space through entropy and abundance criteria	MYRIAM MONDRAGON CEBALLOS DARIO NUÑEZ ZUÑIGA ROBERTO ALLAN SUSSMAN LIVOVSKY et al.	AIP Conference Proceedings	2007
68	On the thermal footsteps of neutralino relic gases	ROBERTO ALLAN SUSSMAN LIVOVSKY XAVIER NICOLAS HERNANDEZ DORING Cabral-Rosetti L.G.	4TH EUROPEAN SYMPOSIUM ON FIRE SAFETY SCIENCE	2006
69	Empirical testing of Tsallis' Thermodynamics as a model for dark matter halos	DARIO NUÑEZ ZUÑIGA ROBERTO ALLAN SUSSMAN LIVOVSKY Zavala J. et al.	AIP Conference Proceedings	2006
70	Entropy considerations in constraining the mSUGRA parameter space	DARIO NUÑEZ ZUÑIGA ROBERTO ALLAN SUSSMAN LIVOVSKY LUKAS NELLEN FILLA et al.	AIP Conference Proceedings	2006
71	Stellar polytropes and Navarro-Frenk-White halo models: Comparison with observations	DARIO NUÑEZ ZUÑIGA ROBERTO ALLAN SUSSMAN LIVOVSKY Zavala J. et al.	JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS	2006
72	Some statistical mechanical properties of photon black holes	XAVIER NICOLAS HERNANDEZ DORING CESAR SIMON LOPEZ MONSALVO SERGIO MENDOZA RAMOS et al.	REVISTA MEXICANA DE FISICA	2006
73	Inhomogeneous models of interacting dark matter and dark energy	ROBERTO ALLAN SUSSMAN LIVOVSKY Quiros I. González O.M.	GENERAL RELATIVITY AND GRAVITATION	2005
74	The spacetime associated with galactic dark matter halos	DARIO NUÑEZ ZUÑIGA ROBERTO ALLAN SUSSMAN LIVOVSKY Matos T.	GENERAL RELATIVITY AND GRAVITATION	2005
75	A general relativistic approach to the Navarro-Frenk-White galactic halos	DARIO NUÑEZ ZUÑIGA ROBERTO ALLAN SUSSMAN LIVOVSKY Matos T.	CLASSICAL AND QUANTUM GRAVITY	2004
76	Maxwell-Boltzmann gas with nonstandard self-interactions: A novel approach to galactic dark matter	ROBERTO ALLAN SUSSMAN LIVOVSKY Balakin A. Zimdahl W.	PHYSICAL REVIEW D	2004
77	Using entropy to discriminate annihilation channels in neutralinos making up galactic halos	XAVIER NICOLAS HERNANDEZ DORING ROBERTO ALLAN SUSSMAN LIVOVSKY Cabral-Rosetti L.G.	PHYSICAL REVIEW D	2004
78	Scalar field "mini-MACHOs": A new explanation for galactic dark matter	XAVIER NICOLAS HERNANDEZ DORING ROBERTO ALLAN SUSSMAN LIVOVSKY T Matos et al.	PHYSICAL REVIEW D	2004
79	Inhomogeneous Cosmologies, the Copernican Principle and the Cosmic Microwave Background: More on the EGS Theorem	ROBERTO ALLAN SUSSMAN LIVOVSKY Clarkson C.A. Coley A.A. et al.	GENERAL RELATIVITY AND GRAVITATION	2003

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80	On the Newtonian limit and cut-off scales of isothermal dark matter haloes with cosmological constant	ROBERTO ALLAN SUSSMAN LIVOVSKY XAVIER NICOLAS HERNANDEZ DORING	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2003
81	Hydrodynamical description of Galactic Dark Matter	DARIO NUÑEZ ZUÑIGA ROBERTO ALLAN SUSSMAN LIVOVSKY Cabral-Rosetti L.G. et al.	REVISTA MEXICANA DE FISICA	2003
82	A new approach to initial value variables for the Lemaître-Tolman-Bondi dust solutions	ROBERTO ALLAN SUSSMAN LIVOVSKY Trujillo L.G.	CLASSICAL AND QUANTUM GRAVITY	2002
83	Hydrodynamics of galactic dark matter	DARIO NUÑEZ ZUÑIGA ROBERTO ALLAN SUSSMAN LIVOVSKY Cabral-Rosetti L.G. et al.	CLASSICAL AND QUANTUM GRAVITY	2002
84	Adiabatic models of the cosmological radiative era	ROBERTO ALLAN SUSSMAN LIVOVSKY Ishak M.	GENERAL RELATIVITY AND GRAVITATION	2002
85	Qualitative and numerical study of the matter-radiation interaction in Kantowski-Sachs cosmologies	ROBERTO ALLAN SUSSMAN LIVOVSKY Coley A.A. Sarmiento A.G.	PHYSICAL REVIEW D	2002
86	Relaxation versus collision times in the cosmological radiative era	ROBERTO ALLAN SUSSMAN LIVOVSKY Pavón D.	CLASSICAL AND QUANTUM GRAVITY	2001
87	Towards a physical interpretation for the Stephani Universes	ROBERTO ALLAN SUSSMAN LIVOVSKY	GENERAL RELATIVITY AND GRAVITATION	2000
88	Exact solutions of Einstein's equations with ideal gas sources	ROBERTO ALLAN SUSSMAN LIVOVSKY Triginer J.	CLASSICAL AND QUANTUM GRAVITY	1999
89	Exact inhomogeneous cosmologies whose source is a radiation-matter mixture with consistent thermodynamics	ROBERTO ALLAN SUSSMAN LIVOVSKY	PHYSICAL REVIEW D	1999
90	Ideal gas sources for the Lemaître-Tolman-Bondi metrics	ROBERTO ALLAN SUSSMAN LIVOVSKY	CLASSICAL AND QUANTUM GRAVITY	1998
91	On the thermodynamical interpretation of perfect fluid solutions of the Einstein equations with no symmetry	HERNANDO QUEVEDO CUBILLOS ROBERTO ALLAN SUSSMAN LIVOVSKY Krasinski A.	JOURNAL OF MATHEMATICAL PHYSICS	1997
92	On the thermodynamics of simple non-isentropic perfect fluids in general relativity	HERNANDO QUEVEDO CUBILLOS ROBERTO ALLAN SUSSMAN LIVOVSKY	CLASSICAL AND QUANTUM GRAVITY	1995

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93	Thermodynamics of the Stephani Universes	HERNANDO QUEVEDO CUBILLOS ROBERTO ALLAN SUSSMAN LIVOVSKY	JOURNAL OF MATHEMATICAL PHYSICS	1995
94	On spherically symmetric solutions admitting a spacelike conformal motion	ROBERTO ALLAN SUSSMAN LIVOVSKY Lake K.	CLASSICAL AND QUANTUM GRAVITY	1994
95	Bulk viscosity and matter creation in inhomogeneous cosmologies with a shear-free fluid source	ROBERTO ALLAN SUSSMAN LIVOVSKY	CLASSICAL AND QUANTUM GRAVITY	1994
96	New solutions for heat conducting fluids with a normal shear-free flow	ROBERTO ALLAN SUSSMAN LIVOVSKY	CLASSICAL AND QUANTUM GRAVITY	1993
97	Two-fluid models of cosmological inhomogeneities	ROBERTO ALLAN SUSSMAN LIVOVSKY	CLASSICAL AND QUANTUM GRAVITY	1992
98	Spherically symmetric solutions admitting a spacelike self-similar motion	ROBERTO ALLAN SUSSMAN LIVOVSKY	JOURNAL OF MATHEMATICAL PHYSICS	1991
99	Radial conformal killing vectors in spherically symmetric shear-free space-times	ROBERTO ALLAN SUSSMAN LIVOVSKY	GENERAL RELATIVITY AND GRAVITATION	1989
100	Comment on "cosmological solution of Einstein's equations with uniform density and nonuniform pressure"	ROBERTO ALLAN SUSSMAN LIVOVSKY	PHYSICAL REVIEW D	1989
101	On spherically symmetric shear-free perfect fluid configurations (neutral and charged). II. Equation of state and singularities	ROBERTO ALLAN SUSSMAN LIVOVSKY	JOURNAL OF MATHEMATICAL PHYSICS	1988
102	On spherically symmetric shear-free perfect fluid configurations (neutral and charged). III. Global view	ROBERTO ALLAN SUSSMAN LIVOVSKY	JOURNAL OF MATHEMATICAL PHYSICS	1988
103	On spherically symmetric shear-free perfect fluid configurations (neutral and charged). I	ROBERTO ALLAN SUSSMAN LIVOVSKY	JOURNAL OF MATHEMATICAL PHYSICS	1987
104	Conformal structure of a Schwarzschild black hole immersed in a Friedman universe	ROBERTO ALLAN SUSSMAN LIVOVSKY	GENERAL RELATIVITY AND GRAVITATION	1985

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LIBROS Y CAPITULOS CON ISBN

Obras con registro ISBN



#	Título	Autores	Alcance	Año	ISBN
1	Indoor transmission of the SARS-CoV-2 virus through aerosols emitted by e-cigarettes	ROBERTO ALLAN SUSSMAN LIVOVSKY	Capítulo de un Libro	2024	9780323956468
2	Retos de física nuclear y fenómenos no lineales	GUSTAVO TORRES GARCIA ROBERTO ALLAN SUSSMAN LIVOVSKY JAIME BESPROSVANY FRIDZON	Libro Completo	2023	9786071521019
3	Retos de física nuclear y fenómenos no lineales	GUSTAVO TORRES GARCIA ROBERTO ALLAN SUSSMAN LIVOVSKY JAIME BESPROSVANY FRIDZON	Libro Completo	2023	9786071521026
4	Retos de física nuclear y fenómenos no lineales	GUSTAVO TORRES GARCIA ROBERTO ALLAN SUSSMAN LIVOVSKY JAIME BESPROSVANY FRIDZON	Libro Completo	2023	9786076335840

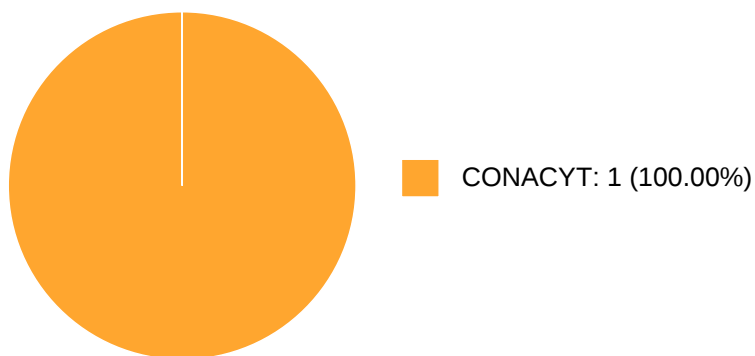
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5	Retos de física nuclear y fenómenos no lineales	GUSTAVO TORRES GARCIA ROBERTO ALLAN SUSSMAN LIVOVSKY JAIME BESPROSVANY FRIDZON	Libro Completo	2023	9786076335857
6	Building non-spherical cosmic structures	ROBERTO ALLAN SUSSMAN LIVOVSKY	Capítulo de un Libro	2017	9789814699662
7	100 años de teoría cinética relativa	ROBERTO ALLAN SUSSMAN LIVOVSKY	Libro Completo	2013	9786074779356
8	Estudio dinámico del modelo Lambda-CDM inhomogéneo	ROBERTO ALLAN SUSSMAN LIVOVSKY	Capítulo de un Libro	2013	9786078289417
9	Apparent acceleration due to relativistic cosmological models more complex than FLRW as a possible alternative to dark energy	ROBERTO ALLAN SUSSMAN LIVOVSKY Ishak M. Richardson J. et al.	Conferenc e Paper	2012	9814374512
10	Averaging and back-reaction in spherically symmetric dust models	ROBERTO ALLAN SUSSMAN LIVOVSKY	Capítulo de un Libro	2010	9789814307543

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PARTICIPACIÓN EN PROYECTOS

Histórico de participación en proyectos

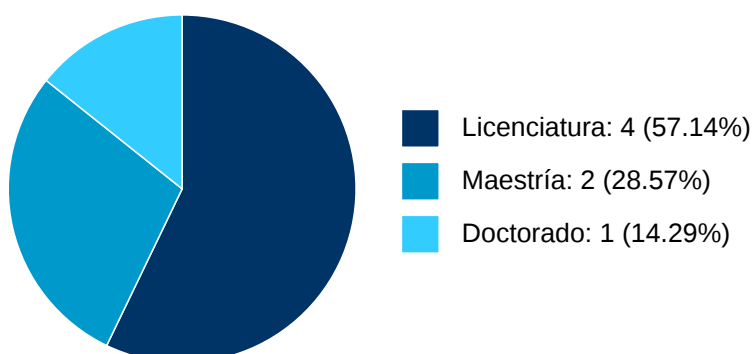


#	Nombre	Participantes	Fuente	Fecha inicio	Fecha fin
1	Perturbaciones No-lineales para la interpretación de futuras observaciones cosmológicas.	ROBERTO ALLAN SUSSMAN LIVOVSKY	Recursos CONACYT	15-05-2015	14-05-2018

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PARTICIPACIÓN EN TESIS

Histórico de Colaboraciones en Tesis



#	Título del documento	Tipo de Tesis	Sinodales	Autores	Entidad	Año
1	Aplicaciones cosmológicas de soluciones exactas de las ecuaciones de Einstein con distribuciones inhomogéneas y no-triviales de masa-energía	Tesis de Doctorado	JUAN CARLOS HIDALGO CUELLAR,	ROBERTO ALLAN SUSSMAN LIVOVSKY, Nájera Valencia, Sebastián,	Instituto de Ciencias Físicas, Instituto de Ciencias Nucleares,	2024
2	Configuraciones de equilibrio de los gases ideales con constante cosmológica en relatividad general	Tesis de Maestría	ROBERTO ALLAN SUSSMAN LIVOVSKY,	Lucero, Rocío Belén,	Instituto de Ciencias Nucleares,	2021
3	Geometric and physical properties of closed ever expanding dust models	Tesis de Maestría	ROBERTO ALLAN SUSSMAN LIVOVSKY,	Nájera Valencia, Sebastián,	Instituto de Ciencias Nucleares,	2018
4	Transiciones de fase en modelos cosmológicos	Tesis de Licenciatura	AUGUSTO CABRERA MANUEL,	XAVIER NICOLAS HERNANDEZ DORING, ROBERTO ALLAN SUSSMAN LIVOVSKY, et al.	Facultad de Ciencias, Instituto de Astronomía, Instituto de Ciencias Nucleares,	2013

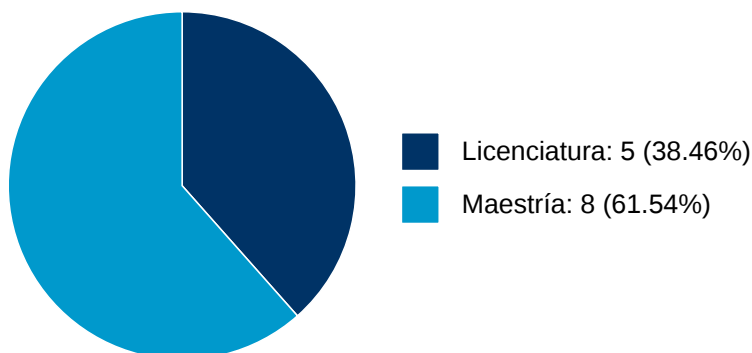
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5	Descripción del sistema de álgebra computacional Maple con énfasis en álgebra lineal	Tesis de Licenciatura	ROBERTO ALLAN SUSSMAN LIVOVSKY,	Torres Rodríguez, José Luis,	Instituto de Ciencias Nucleares,	2008
6	Termodinámica de configuraciones esféricas de fluidos perfectos en relatividad general	Tesis de Licenciatura	ROBERTO ALLAN SUSSMAN LIVOVSKY,	Valiente Kroon, Juan Antonio,		1996
7	Termodinámica de fluidos relativistas con simetría esférica	Tesis de Licenciatura	ROBERTO ALLAN SUSSMAN LIVOVSKY,	Villalobos Pérez, Salvador Enrique,		1995

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DOCENCIA IMPARTIDA

Histórico de docencia



#	Nivel titulación	Asignatura	Entidad	Alumnos	Semestre
1	Licenciatura	RELATIVIDAD	Facultad de Ciencias	10	2022-1
2	Maestría	RELATIVIDAD GENERAL	Instituto de Ciencias del Mar y Limnología	1	2020-2
3	Maestría	RELATIVIDAD GENERAL (F. DE ALTAS ENERGÍAS, F. NUCLEAR, GRAVITACIÓN Y F. MATEMÁTICA)	Instituto de Ciencias del Mar y Limnología	2	2020-2
4	Licenciatura	RELATIVIDAD	Facultad de Ciencias	10	2019-2
5	Licenciatura	RELATIVIDAD	Facultad de Ciencias	30	2019-1
6	Licenciatura	RELATIVIDAD	Facultad de Ciencias	10	2018-2
7	Maestría	SEMINARIO DE INVESTIGACIÓN II	Instituto de Ciencias Aplicadas y Tecnología	1	2017-2
8	Maestría	TEMAS SELECTOS SOLUCIONES EXACTAS Y CUALITATIVAS DE LAS ECUACIONES DE EINSTEIN	Instituto de Ciencias Nucleares	1	2017-2
9	Maestría	SEMINARIO DE INVESTIGACION I-394285	Instituto de Ciencias Nucleares	1	2017-1
10	Maestría	RELATIVIDAD GENERAL	Instituto de Ciencias Nucleares	7	2014-2
11	Licenciatura	RELATIVIDAD	Facultad de Ciencias	19	2014-1
12	Maestría	PROBLEMAS CONTEMPORANEOS DE ASTRONOMIA EXTRAGALACTICA Y COSMOLOGIA	Instituto de Astronomía	1	2010-2
13	Maestría	COSMOLOGIA FISICA	Instituto de Astronomía	3	2010-1



Sistema Integral de Información Académica
Coordinación de Planeación, Evaluación y
Simplificación de la Gestión Institucional
Reporte individual



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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