

Autor(es)	Año	Título del artículo	Nombre revista	Estado	ISSN	Link de acceso o medio de verificación electrónico
Fernández M.; Restuccia A.; Sotomayor A.	2019	On the Hamiltonian Formulation of an Octonionic Integrable Extension for the Korteweg-de Vries Equation.	Journal of Physics: Conference Series.	Publicado	17426588	doi:10.1088/1742-6596/1391/1/012151
Jorge Olivares Funes, Elvis Valero Kari, Pablo Martin and Fernando Maass	2019	The error function in fractional differential equations	Journal of Physics: Conference Series	Publicado	17426596 17426588	https://iopscience.iop.org/
Jorge Olivares Funes and Elvis Valero Kari	2019	Resolving non-homogeneous linear differential equations using the undetermined method coefficients and variation of parameters by means of GeoGebra	Journal of Physics: Conference Series	Publicado	17426596 17426588	https://iopscience.iop.org/
Restuccia, A.; Sotomayor, A.; Strauss, V.A.	2020	On a model of spontaneous symmetry breaking in quantum mechanics	Bulletin of the South Ural State University, Series: Mathematical Modelling, Programming and Computer Software	Publicado	2071-0216	https://doi.org/10.14529/mmp200301

Alvarez, MA; Rosales-Gómez, J	2021	On deformations of the Galilei algebra	JOURNAL OF PHYSICS: CONFERENCE SERIES	Publicado	1742-6588	https://doi.org/10.1088/1742-6596/2090/1/012066
Alvarez, MA	2021	Deformations of the Heisenberg Lie algebra	JOURNAL OF PHYSICS: CONFERENCE SERIES	Publicado	1742-6588	https://doi.org/10.1088/1742-6596/1730/1/012020
Luis A. Cortés Vega	2021	A new decomposition law for inverses modular multiplicative on $(\mathbb{Z}/p\mathbb{Z})$	JOURNAL OF PHYSICS: CONFERENCE SERIES	Publicado	1742-6588	10.1088/1742-6596/1730/1/012130
Luis A. Cortés Vega	2021	A refined version of the inverse decomposition theorem for modular multiplicative inverse operators	JOURNAL OF PHYSICS: CONFERENCE SERIES	Publicado	1742-6588	10.1088/1742-6596/1730/1/012123

L. Medina, M. Trigo	2021	Spectral radius of the Harary matrix of the join product of regular graphs	Journal of Physics: Conference Series	Publicado	1742-6596	https://doi.org/10.1088/1742-6596/2090/1/012103
R. Arrizaga-Zercovich, L. Medina	2021	Upper bound for the energy of the starlike trees	Journal of Physics: Conference Series	Publicado	1742-6596	https://doi.org/10.1088/1742-6596/2090/1/012128
Restuccia, A.; Sotomayor, A.; Strauss, V.A.	2021	On a limit pass from two-point to one-point interaction in a one-dimensional quantum mechanical problem giving rise to a spontaneous symmetry breaking	Bulletin of the South Ural State University, Series: Mathematical Modelling, Programming and Computer Software	Publicado	2071-0216	https://doi.org/10.14529/mmp210106
Jorge Olivares Funes, Elvis R. Valero Kari and Pablo Martin	2021	The modified Bessel functions $I_{3/4}(x)$ and $I_{-3/4}(x)$ in certain fractional differential equations	Journal of Physics: Conference Series	Publicado	17426596 17426588	https://iopscience.iop.org

Jorge Olivares Funes, Pablo Martin and Elvis R. Valero	2021	First-order linear partial differential equations using the GeoGebra and GeoGebra 3D graphing calculator	Journal of Physics: Conference Series	Publicado	17426596 17426588	https://iopscience.iop.org/
Jorge Olivares Funes and Elvis R. Valero Kari	2021	Finite Elements and Finite Differences in some differential equations of second linear order with GeoGebra	Journal of Physics: Conference Series	Publicado	17426596 17426588	https://iopscience.iop.org/
Jorge Olivares Funes and Elvis R. Valero Kari	2021	Exploring the exact differential equations with GeoGebra software	Journal of Physics: Conference Series	Publicado	17426596 17426588	https://iopscience.iop.org
Jorge Olivares Funes and Elvis Valero Kari	2021	Visualizing some numerical solutions of linear second order differential equations with the Euler method and Lagrange interpolation via GeoGebra	Journal of Physics: Conference Series	Publicado	17426596 17426588	https://iopscience.iop.org/

Jorge Olivares Funes, Elvis Valero Kari and Pablo Martin	2021	The Bessel function J_0 in fractional differential equations	Journal of Physics: Conference Series	Publicado	17426596 17426588	https://iopscience.iop.org
Jorge Olivares Funes and Elvis Valero Kari	2021	Numerical solution of Hermite differential equation using the spline method of order 1 with GeoGebra	Journal of Physics: Conference Series	Publicado	17426596 17426588	https://iopscience.iop.org/
Jorge Olivares Funes, Pablo Martin and Elvis Valero Kari	2021	Galerkin Method with GeoGebra in Differential Equations	Journal of Physics: Conference Series	Publicado	17426596 17426588	https://iopscience.iop.org/
L. Medina	2023	Bounds on the spectral radius of Harary matrix	American Institute of Physics (AIP) Conference Proceedings	Publicado	0094-243X	https://doi.org/10.1063/5.0163682
L. Medina	2023	On the spectral radius of the Reciprocal distance signless Laplacian matrix	American Institute of Physics (AIP) Conference Proceedings	Publicado	0094-243X	https://doi.org/10.1063/5.0163681

J. Olivares-Funes, G. Pastén, J. Rodríguez	2023	Sixth order linear differential equations using GeoGebra applets	American Institute of Physics (AIP) Proceedings	Publicado	0094243X	https://doi.org/10.1063/5.0163252
Jorge Olivares Funes, Pablo Martín, María Drina Rojas	2023	Special cases in the method of undetermined coefficients with GeoGebra in non-homogeneous linear differential equations of third order	AIP Conference Proceedings	Publicado	0094-243X	https://pubs.aip.org/aip/acp/
Jorge Olivares Funes, Germain Pastén; Jonnathan Rodríguez	2023	Sixth order linear differential equations using GeoGebra applets	AIP Conference Proceedings	Publicado	0094-243X	https://pubs.aip.org/
Jorge Olivares Funes and Elvis Valero Kari	2023	Influence of GeoGebra on academic performance in differential equations of separable variable for engineering students from Antofagasta-Chile	AIP Conference Proceedings	Publicado	0094-243X	https://pubs.aip.org/
Jorge Olivares Funes, Pablo Martín, María Drina Rojas	2023	Collocation method with GeoGebra in linear second order differential equations	AIP Conference Proceedings	Publicado	0094-243X	https://pubs.aip.org/

Natalia Ruiz,	2023	Perfiles de conocimiento matemático de estudiantes de pedagogía en educación básica para enseñar geometría	Estudios Pedagógicos (Valdivia), 49(1), 255–280.	Publicado	0718-0705	https://doi.org/10.4067/S071807052023000100255
Jorge Olivares, P. Martin and E. Valero	2024	GeoGebra in the visualization of integrating factors in non-exact differential equations	Journal of Physics: Conference Series	Publicado	17426596 17426588	https://iopscience.iop.org/
Jorge Olivares, P. Martin and E. Valero	2024	Description of Parameter Variation Learning with Artificial Intelligence and GeoGebra in Students of a Differential Equations Course	Journal of Physics: Conference Series	Aceptado	17426596 17426588	https://iopscience.iop.org
Jorge Olivares Funes ¹ , Eber Javier Lenes Puello ² , Mery González Espinosa ³ , Carlos Álvarez Escorcia ⁴	2025	Description of the solution of a Riccati differential equation using GeoGebra in engineering students of the Universidad del Sinú, Colombia.	Journal of Physics: Conference Series	Aceptado		
Jorge Olivares Funes, Pablo Martin, Byron Droguett, Alexandra Burgos	2025	Perception of the GeoGebra Software in learning the Parabola in the Cartesian plane for school students in Antofagasta - Chi le during 2024	Journal of Physics: Conference Series	Aceptado		
Jorge Olivares Funes, Pablo Martin, Byron Droguett, Alexandra Burgos	2025	ChatGPT and the learning of the integral factor of	Journal of Physics: Conference Series	Aceptado		

Eber Javier Lenes Puello, Jorge Olivares Funes, Martin Martínez Peroza, Paula Muñoz Ramírez	2025	Analysis of the resolution of a homogeneous reducible differential equation with GeoGebra in engineering students of the Universidad del Sinú, Colombia.	Journal of Physics: Conference Series	Aceptado		
Eugenio Chandia, Patricia Fuentes, Natalia Ruiz, Daniza Rojas,	2025	Knowledge profiles on numbers for teaching by primary education pedagogy students	International Electronic Journal of Mathematics Education,	Publicado	1306-3030	https://doi.org/10.29333/iejme/16080