



# Algebraic aspects of Darboux transformations, quantum integrable systems, and supersymmetric quantum mechanics /

Acosta Humánez, Primitivo B.

American Mathematical Society ;  
Instituto de Matemáticas y sus Aplicaciones,  
2012

[Electronic books](#)

Monografía

<https://rebiunoda.pro.baratznet.cloud:28443/OpacDiscovery/public/catalog/detail/b2FpOmNlbGVicmF0aW9uOmVzLmJhcmF0ei5yZW4vMjgxNDYzOTk>

---

**Título:** Algebraic aspects of Darboux transformations, quantum integrable systems, and supersymmetric quantum mechanics Primitivo B. Acosta-Humánez [and others], editors

**Editorial:** Providence, R.I. American Mathematical Society [Bogotá?] Instituto de Matemáticas y sus Aplicaciones 2012

**Descripción física:** 1 online resource (ix, 211 pages) illustrations (some color)

**Mención de serie:** Contemporary mathematics 563

**Bibliografía:** Includes bibliographical references

**Contenido:** Spectral/quadrature duality: Picard-Vessiot theory and finite-gap potentials Yurii V. Brezhnev -- <http://www.ams.org/conm/563> <http://dx.doi.org/10.1090/conm/563/11162> Darboux transformation, exceptional orthogonal polynomials and information theoretic measures of uncertainty D. Dutta and P. Roy -- <http://www.ams.org/conm/563> <http://dx.doi.org/10.1090/conm/563/11163> On orthogonal polynomials spanning a non-standard flag David Gómez-Ullate, Niky Kamran and Robert Milson -- <http://www.ams.org/conm/563> <http://dx.doi.org/10.1090/conm/563/11164> On the Supersymmetric Spectra of two Planar Integrable Quantum Systems M. A. Gonzalez Leon, J. Mateos Guilarte, M. J. Senosiain and M. de la Torre Mayado -- <http://www.ams.org/conm/563> <http://dx.doi.org/10.1090/conm/563/11165> Solvable rational extension of translationally shape invariant potentials Yves Grandati and Alain Bérard -- <http://www.ams.org/conm/563> <http://dx.doi.org/10.1090/conm/563/11166> The pentagram map: geometry, algebra, integrability Valentin Ovsienko -- <http://www.ams.org/conm/563> <http://dx.doi.org/10.1090/conm/563/11167> Jet Bundles, symmetries, Darboux transforms Enrique G. Reyes -- <http://www.ams.org/conm/563> <http://dx.doi.org/10.1090/conm/563/11168>

org/connm/563 http://dx.doi.org/10.1090/connm/563/11168 Explicit higher-dimensional Darboux transformations for the time-dependent Schrödinger equation Axel Schulze-Halberg -- http://www.ams.org/connm/563 http://dx.doi.org/10.1090/connm/563/11169 Elliptic beta integrals and solvable models of statistical mechanics V. P. Spiridonov -- http://www.ams.org/connm/563 <http://dx.doi.org/10.1090/connm/563/11170>

**Copyright/Depósito Legal:** 1078113392 1086569864

**ISBN:** 9780821885352 electronic bk.) 0821885359 electronic bk.) 9780821885345 google) 0821885340 google) 9780821875841 alk. paper) 0821875841 alk. paper)

**Materia:** Differential algebra Darboux transformations Quantum theory- Mathematics Darboux transformations Differential algebra Quantum theory- Mathematics Field theory and polynomials- Differential and difference algebra- Differential algebra. Special functions (33-XX deals with the properties of functions as functions)- Other special functions- Other functions coming from differential, difference and integral equations. Quantum theory- General mathematical topics and methods in quantum theory- Supersymmetry and quantum mechanics. Quantum theory- General mathematical topics and methods in quantum theory- Special quantum systems, such as solvable systems. Statistical mechanics, structure of matter- Equilibrium statistical mechanics- Exactly solvable models; Bethe ansatz. Special functions (33-XX deals with the properties of functions as functions)- Other special functions- None of the above, but in this section.

**Autores:** Acosta Humanez, Primitivo B.

**Enlace a formato físico adicional:** Print version Algebraic aspects of Darboux transformations, quantum integrable systems, and supersymmetric quantum mechanics. Providence, R.I. : American Mathematical Society ; [Madrid] : Instituto de Matematicas y sus Aplicaciones, 2012 9780821875841 (DLC) 2011050423 (OCOlc) 772525833

**Punto acceso adicional serie-Título:** Contemporary mathematics (American Mathematical Society) v. 563

---

## Baratz Innovación Documental

- Gran Vía, 59 28013 Madrid
- (+34) 91 456 03 60
- [informa@baratz.es](mailto:informa@baratz.es)