

Curriculum Vitae Sketch

KOREPIN Vladimir

Professional Preparation

Undergraduate Institution

Leningrad State University; Mathematical Physics; Bachelor 1974

Graduate Institution

Steklov Mathematical Institute ; Mathematical Physics; PhD 1977

Postdoctoral Institution

Steklov Mathematical Institute ; Mathematical Physics; 1978-1984

Appointments

Professor [with tenure] in C. N. Yang Institute for Theoretical Physics [Stony Brook University] December 8 of 1989 till current date.

Professor in Steklov Mathematical Institute in Sankt Patersburg 1985-1989.

Products

Five most related publications

1) A book: The One-Dimensional Hubbard model, published in Cambridge University Press in 2005

2) Quantum Spin Chain, Toeplitz Determinants and Fisher -Hartwig Formula , Journal of Statistical Physics , vol 116, Nos. 1-4, page 79, 2004

3) Quantum Theory of Solitons. Physics Reports vol 42 (1), pages 1-87, 1978

4) Calculation of Norms of Bethe Wave Functions, Commun. Math. Phys. vol 86, page 391, 1982

5) The book Quantum Inverse Scattering Method and Correlation Functions , Cambridge University Press 1993

Five other publications

1) A Lattice Version of Nonlinear Schroedinger Equation , DOKLADY AKADEMII NAUK, 1981 ;

2) Thermodynamic limit of the Six-Vertex Model with Domain Wall Boundary Conditions, Journal of Physics A 33 No. 40 (2000), 7053;

<http://arxiv.org/pdf/cond-mat/0004250.pdf>

3) The entropy of the six-vertex model with variety of different boundary conditions. Journal of Statistical Mech. (2015) P06016;

<http://arxiv.org/pdf/1501.02818.pdf>

4) Influence of boundary conditions on bulk properties of six-vertex model. <http://arxiv.org/pdf/1509.06324.pdf>

5) Inhomogeneous Six-Vertex Model with Domain Wall Boundary Conditions and Bethe Ansatz, <http://arxiv.org/pdf/nlin/0008030.pdf>

Synergistic Activities

PI developed graduate course on quantum information as well as advance solid state. PI also organized a program in Simons Center for Geometry and Physics in Stony Brook. Lectures for graduate students were a part of the program.

Collaborators and Co-Editors

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Graduate Advisors and Postdoctoral Sponsors

L. D. Faddeev Steklov Mathematical Institute in Sankt Peterburg.

The web page is

<http://insti.physics.sunysb.edu/korepin/>