

CURRICULUM VITAE

Name: Ivan A. Ado

Born: January 13, 1986, Moscow, Russia

Marital status: Single, no children

Citizenship: Russian Federation

Languages: Russian (native), English (fluent)

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EDUCATION & DEGREES

- 2009 – 2012:** Graduate student at *Department of Mathematical Physics, Faculty of Physics, Moscow State University*
Supervisor: Prof. A.A. Arsenev
- 2009:** Master degree in Physics (Diplom)
- Diploma thesis: "Scattering problem in quantum waveguide in a tight-binding model"
- Faculty of Physics, Moscow State University*
Supervisor: Prof. A.A. Arsenev
- 2003 – 2009:** Undergraduate student at *Department of Mathematical Physics, Faculty of Physics, Moscow State University*

SPECIAL ACHIEVMENTS

Graduated with excellence from Moscow State University **(2009)**

Graduated with excellence from Middle School 1102 **(2001)**

RESEARCH TOPICS

- Scattering in quantum waveguides
- Time-dependent perturbations in quantum waveguides
- Rashba spin-orbit coupling within the Landauer framework

TEACHING EXPERIENCE

Moscow State University, Faculty of Physics, Department of Mathematical Physics:

- Lections and seminars within the course "Introduction to Functional analysis" (2010)

Krasnoyarsk Summer School for talented children:

- Lections and seminars within the course "Godel's Incompleteness Theorems" (2013)
- Lections and seminars within the course "Sets, reals, cardinality" (2012)
- Lections and seminars within the course "Oscillations, waves, sound" (2012)
- Lections and seminars within the course "Quantum mechanics" (2011)
- Optional class "Complex numbers, Cardano's method, Ferrari's solution" (2011)
- Lections and seminars within the course "Mechanics" (2010)
- Optional class "Determination of latitude of the local area" (2010)
- Optional class "Complex numbers" (2009)
- Optional class "Conic sections" (2008)
- Optional class "Probability theory" (2007)

CONFERENCES CONTRIBUTION

"Scattering problem in a quantum waveguide with Rashba coupling", International student, postgraduate and young scientist conference Lomonosov, Moscow, 2010 (the report was recognized as the best in the subsection)

REFERENCES

- Prof. Dr. Aleksey A. Arsenev
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PUBLICATIONS

Ado I.A., *“Scattering Problem in a Quantum Waveguide in a Tight-Binding Model”*, Moscow University Physics Bulletin, 2010, Vol. 65, No. 5, pp. 345–350

Ado I.A., *“Rashba coupling within Landauer framework in a quantum waveguide”* [to be published]