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Curriculum Vitae

Lenart Zadnik, M.Sc.Phys.

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Basic information

- Born: 12. 11. 1991, Ljubljana, Slovenia
- Address: Trubarjeva cesta 3, 1290 Grosuplje, Slovenia
- Nationality: Slovenian
- Languages: Slovenian (native), English (active), French (basic), Russian (basic)

Education

2006-2010, Gimnazija Bežigrad, high school, Ljubljana

2010-2013, Faculty of mathematics and physics of University of Ljubljana, 1st cycle, degree in Physics, Physics department, Ljubljana

2013-2015, Faculty of mathematics and physics of University of Ljubljana, 2nd cycle, degree in Mathematical Physics, Physics department, Ljubljana

2015- , Faculty of mathematics and physics of University of Ljubljana, doctoral studies in Physics, Physics department, Ljubljana

- Title of master thesis (2015):  
*Semicyclic representations of quantum group and quasilocal conservation laws*
- Thesis awarded the 2015 University Prešeren Prize of University of Ljubljana
- Awarded the 2016 Award for the best student achievements of University of Ljubljana

Publications (July, 2017)

- L. Zadnik, M. Medenjak, T. Prosen, Quasilocal conservation laws from semicyclic irreducible representations of  $U_q(sl_2)$  in  $XXZ$  spin-1/2 chains, Nucl. Phys. B, 902, 339 (2016).
- E. Ilievski, M. Medenjak, T. Prosen, L. Zadnik, Quasilocal charges in integrable lattice systems, J. Stat. Mech. 064008 (2016).
- L. Zadnik, T. Prosen, Quasilocal conservation laws in the quantum Hirota model, J. Phys. A: Math. Theor., 50, 265203 (2017).

Pedagogical experience

- Assistant at the Faculty of mathematics and physics of University of Ljubljana:
  - 2016/2017 Advanced Quantum Mechanics
  - 2015/2016 Physics Laboratory I/II

Other interests

- clarinet (Eb clarinet, Slovenian Youth Wind Orchestra 2015, ...)
- instrumental, orchestral and chamber music