

ARTICLES

- A family of  $GL(r)$  multiplicative Higgs bundles on rational base  
R. Frassek, V. Pestun  
[arXiv:1808.00799](#)  
Submitted to SIGMA
- Evaluation of the operatorial Q-system for non-compact super spin chains  
R. Frassek, C. Marboe, D. Meidinger  
[arXiv:1706.02320](#)  
Published in JHEP 1709 (2017) 018
- Boundary perimeter Bethe ansatz  
R. Frassek  
[arXiv:1703.10842](#)  
Published in J.Phys. A50 (2017) no.26, 265202
- Yangian-type symmetries of non-planar leading singularities  
R. Frassek, D. Meidinger  
[arXiv:1603.00088](#)  
Published in JHEP 1605 (2016) 110
- Q-operators for the open Heisenberg spin chain  
R. Frassek, I. M. Szécsényi  
[arXiv:1509.04867](#)  
Published in Nucl.Phys. B901 (2015) 229-248
- On-shell diagrams, Grassmannians and integrability for form factors  
R. Frassek, D. Meidinger, D. Nandan, M. Wilhelm  
[arXiv:1506.08192](#)  
Published in JHEP 1601 (2016) 182
- Algebraic Bethe ansatz for Q-operators: The Heisenberg spin chain  
R. Frassek  
[arXiv:1504.04501](#)  
Published in J.Phys. A48 (2015) no.29, 294002
- Bethe ansatz for Yangian invariants: Towards Super Yang-Mills Scattering Amplitudes  
R. Frassek, N. Kanning, Y. Ko and M. Staudacher  
[arXiv:1312.1693](#)  
Published in Nuclear Physics B 883: 373-424
- From Baxter Q-Operators to local charges  
R. Frassek, C. Meneghelli  
[arXiv:1207.4513](#)  
Published in J. Stat. Mech. (2013) P02019
- Baxter operators and Hamiltonians for "nearly all" integrable closed  $gl(n)$  spin chains  
R. Frassek, T. Łukowski, C. Meneghelli and M. Staudacher  
[arXiv:1112.3600](#)  
Published in Nuclear Physics B 874: 620-646
- Oscillator construction of  $su(n|m)$  Q-Operators  
R. Frassek, T. Łukowski, C. Meneghelli and M. Staudacher  
[arXiv:1012.6021](#)  
Published in Nuclear Physics B 850: 175-198
- Baxter Q-Operators and representations of Yangians  
V. V. Bazhanov, R. Frassek, T. Łukowski, C. Meneghelli and M. Staudacher  
[arXiv:1010.3699](#)  
Published in Nuclear Physics B 850: 148-174

## 1. PHD THESIS

- Q-operators, Yangian invariance and the quantum inverse scattering method  
R. Frassek (PhD Thesis)  
[arXiv:1412.3339](#)  
Published by Humboldt University Berlin

## 2. GUEST EDITOR FOR A SPECIAL ISSUE OF JOURNAL OF PHYSICS A

- An integrability primer for the gauge-gravity correspondence  
D. Bombardelli, A. Cagnazzo, R. Frassek, F. Levkovich-Maslyuk, F. Loebbert,  
S. Negro, I. M. Szécsényi, A. Sfondrini, S. J. van Tongeren, A. Torrielli  
[arXiv:1606.02945](#)  
Published as Special Issue in J. Phys. A: Math. Theor. 49 (2016) 320301