

# Integrable systems and quantum symmetries XXIII

## Prague, June 23–27, 2015

---

### Peer review protocol

**Title:** On existence of an  $x$ -integral for semi-discrete chain of hyperbolic type

**Author(s):** K. Zheltukhin and N. Zheltukhina

**Reviewer:** Ondřej Navrátil

Reviewer's address: Faculty of Transportation Sciences, Czech Technical University, Na Florenci 25, Prague

Reviewer's phone: +420 224 890 714

### MANUSCRIPT EVALUATION

**Please mark your recommendation:**

ACCEPT: The article is suitable for publication in its present form.

ACCEPT WITH MINOR REVISIONS: Any required changes are minor, the editor of Proceedings will verify that the author made the recommended changes.

REVISE AND RESUBMIT: The article is acceptable for publication provided that significant changes are made, as indicated by the comment below. The revision will be re-reviewed.

REJECT: This article is not suitable for publication in JPCS.

**Comment:** The paper continues to the earlier work one of the authors. Authors study integrable differential-difference chain of hyperbolic type and find the necessary and sufficient condition for chain with four dimensional characteristic  $x$ -ring.

The result of the paper is new so far unpublished. I have only one formal comment. In my opinion it is better to use  $f_{t_{xx}}$  and  $g_{t_{xx}}$  instead of  $f_{t_{\{xx\}}}$  and  $g_{t_{\{xx\}}}$  to avoid the confusion with  $f_{t_{\{2\}}}$  and  $g_{t_{\{2\}}}$ . After these small changes I recommend the paper for publication in the Proceedings of ISQS 23.

Date: 24.9.2015

Signature of reviewer: Ondřej Navrátil