

# Integrable systems and quantum symmetries XXIII

## Prague, June 23–27, 2015

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### Peer review protocol

**Title:** Symmetry operators of the two-component Gross-Pitaevskii equation with a Manakov-type nonlocal nonlinearity

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**Reviewer:** Ondřej Navrátil

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### 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:** In the paper authors continue in their study of symmetric properties of nonlinear integro-differential equations. They use its approach for construction of symmetry operators to two-component multidimensional Gross-Pitaevskii equation with nonlocal nonlinear term.

This paper closely follows the previous work of the authors about symmetry of 1-component multidimensional Gross-Pitaevskii equation. Its result is new and interesting for scientists concerned with symmetry of differential and integro-differential equations. Therefore, I recommend the paper for publication in the Proceedings of the ISQS 23.

Date: 24.9.2015

Signature of reviewer: Ondřej Navrátil