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Review: On Quantum Yang-Baxter Coherent Algebra Sheaves

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Einstein-Matthews, Stanley (1-HWRD-AS); **Mohlala, Molobe** (SA-WITW-SM)

On quantum Yang-Baxter coherent algebra sheaves. (English summary)

Int. J. Pure Appl. Math. **49** (2008), *no. 2*, 167–199.

Summary: “In this paper we begin by reviewing key concepts of classical and quantum Yang-Baxter algebras and then develop coherent sheaf theoretic structures to use in the definition and construction of quantum Yang-Baxter coherent algebra sheaves. The main results are structural theorems for quantum Yang-Baxter coherent algebra sheaves.”

Reviewed by *Gizem Karaali*

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