1093-15-89   **J Ding*** (`jiudin@gmail.com`), Department of Mathematics, University of Southern Mississippi, 118 College Dr., Box 5045, Hattiesburg, MS 39406, and **N Rhee** and **C Zhang**. *Solving the Yang-Baxter Matrix Equation.*

We present some new results on solutions of the Yang-Baxter matrix equation $AXA = XAX$, and the obtained solutions B are either commutative or non-commutative with the given matrix A. (Received August 02, 2013)