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Zhijun Qiao* (qiao@utpa.edu), UTPA, Edinburg, TX 78541. *A new integrable equation and its solution.*

In this talk, I will present a new integrable equation, which was found recently by us. This equation is shown to have the Lax pair and bi-hamiltonian structure. The most interesting is the new peaked solitons developed for this equation. I will show some graphs for new peaked solitons. (Received September 28, 2005)