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Ronghua Pan* (panrh@math.gatech.edu), School of Mathematics, Georgia Institute of Technology, 686 Cherry Street, Atlanta, GA 30332, and **Feimin Huang** and **Yi Wang**. *On contact discontinuity for Jin-Xin relaxation system.*

We construct the contact waves for Jin-Xin relaxation system, which corresponds to the contact discontinuity of the equilibrium hyperbolic conservation laws. We then prove such wave is stable under small perturbation. Weighted energy estimates play essential role in the proof. (Received July 08, 2007)