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John A Kuchebrod* (jkuchen@ehc.edu), PO Box 947, Emory, VA 24327-0947. *Turán's Triangle Theorem and Real-Weighted Graphs*. Preliminary report.

In 1997, Bondy and Tuza obtained a generalization of Turán's Theorem for graphs whose edges are assigned integer weights. We extend their results to graphs whose edges are assigned real weights. In particular, we study the triangle case, obtaining a bound and enumerating the extremal graphs. (Received October 03, 2000)