1113-05-318   **Penny Haxell***, Combinatorics and Optimization Dept, University of Waterloo, Waterloo, ON N2L 3G1, Canada. *Matchings in regular hypergraphs.*

Every r-regular 3-partite 3-uniform hypergraph with n vertices in each class has a matching of size at least $n/2$. This is tight for certain special hypergraphs. We investigate how this bound can be improved for all other hypergraphs. (Received August 25, 2015)