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Ronald Solomon* (solomon.1@osu.edu) and **Andrew J. Woldar**. *Simple groups and commuting graphs.*

I will report on the proof of the theorem that a finite simple group S is determined up to isomorphism by the commuting graph on the set $S - Z(S)$; that is, if G is any finite group having commuting group (on $G - Z(G)$) isomorphic to that of S , then G is isomorphic to S . (Received September 13, 2012)