

Title: Characterization by intersection graph of some families of finite simple groups

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For a finite group G , the intersection graph of G is a simple graph whose vertices are all nontrivial proper subgroups of G , and two distinct vertices H and K are adjacent, when $H \cap K \neq 1$. It is proved that some families of finite groups are uniquely determined by their intersection graphs. In this paper, we continue this work and study the characterizability of some families of finite simple groups using their intersection graphs.

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