

## Pseudonormal subgroups of groups

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### Abstract

A subgroup  $X$  of  $G$  is *pseudonormal* if  $N_G(H) \leq N_G(X)$  for each subgroup  $H$  of  $G$  such that  $X \leq H \leq N_G(X)$ ; it is easy to show that all pronormal subgroups are pseudonormal. Here the known theory of pronormal subgroups is taken as a model, and it is proved that a number of properties of such subgroups can be proved also for pseudonormal subgroups.