Some properties of $A$-admissible subgroups of finite groups. (Russian. English summary)

Summary: The structure of the subgroup equal to the intersection of the kernels maximal $A$-admissible subgroups that do not contain an $\mathfrak{F}$-residual, with restrictions on the indices is studied. The properties of the corresponding generalized Frattini subgroup are established.

MSC:

20D10 Finite solvable groups, theory of formations, Schunck classes, Fitting classes, $\pi$-length, ranks
20D15 Finite nilpotent groups, $p$-groups
20D20 Sylow subgroups, Sylow properties, $\pi$-groups, $\pi$-structure

Keywords:
finite group; formation; $\mathfrak{F}$-residual