

Title: On weakly SS -permutable subgroups of a finite group

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Suppose that G is a finite group and H is a subgroup of G . We say that H is SS -permutable in G if there is a supplement B of H to G such that H permutes with every Sylow subgroup of B ; H is weakly SS -permutable in G if there exist a subnormal subgroup T of G and an SS -permutable subgroup H_{ss} of G contained in H such that $G = HT$ and $H \cap T \leq H_{ss}$. We investigate the influence of weakly SS -permutable subgroups on the structure of finite groups. Some recent results are generalized and unified.

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