

ALGEBRA SEMINAR

Some new characteristic pfunctor and Thompson's critical subgroup

By
M.Yasir Kızmaz

Abstract: Let p be a prime and P be a finite p-group. We define a new characteristic subgroup K(P) of P and show that K(P) is a critical subgroup of P. Secondly, we define several new characteristic subgroups $K^*(P)$, $K_i(P)$ for each positive integer i and show that they enjoy some interesting and new properties similar to the those of critical subgroups.

Date: Wednesday, April 3, 2024

<u>Time:</u> 16:00 <u>Place:</u> SA 141