

UNIVERSIDADE FEDERAL DE SÃO CARLOS
DEPARTAMENTO DE MATEMÁTICA

COLÓQUIOS DO VERÃO

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(UFABC)

Falará sobre

Unidades em Anéis de Grupo

We investigate the upper FC-central series of the unit group of an integral group ring ZG of a group G . For a periodic group G , we prove that, in case the FC-hypercenter of $U(ZG)$ is contained in the normalizer of the trivial units, then $U(ZG)$ has FC-central height one. Further, in these conditions, the FC-hypercenter of the unit group is non-central, if and only if, G is a Q^* -group. We also prove that $U(ZG)$ has FC-central height one if and only if the FC-hypercenter is contained in the normalizer of the trivial units. Using a result of McLain, we prove that, for each positive n , there exists a group G whose FC-central height of $U(ZG)$ is n .

Quarta-feira, 15 de fevereiro, às 16h no Auditório