

ABBREVIATIONS AND SYMBOLS

acc	- ascending chain condition
dcc	- descending chain condition
dg	- distributively generated
dgnr	- distributively generated near-ring
i.e.	- that is
s.t.	- such that
\leq	- N-subgroup
\leq_e	- essential N-subgroup
\leq_{we}	- Weakly essential N-subgroup
\leq_{ei}	- essential ideal
&	- and
\oplus	- direct sum
\amalg	- direct product
Σ_{fin}	- finite sum
N	- Near-ring
\bar{N}	- factor near-ring
E or ${}_N E$	- Near-ring group
\bar{E}	- factor N-group

- $\text{Ann}_N(B)$ - $\{n \in N / nx = 0, \forall x \in B\}$
- $\text{Ann}_E(B)$ - $\{e \in E / xe = 0, \forall x \in B\}$
- $h|_A$ - restriction of h to M
- \cong - isomorphic
- $E(A)$ or \widehat{A} - injective hull of A
- [] - to refer to the paper of the author