

Gruppo ciclici

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1 DEFINIZIONE

A cyclic group or monogenous (ermafrodita?, monogenetico?) group is a group that is generated by a single element. That is, it consists of a set of elements with a single invertible associative operation, and it contains an element g such that every other element of the group may be obtained by repeatedly applying the group operation or its inverse to g . Each element can be written as a power of g in multiplicative notation, or as a multiple of g in additive notation. This element g is called a generator of the group. [2]

2 APPROFONDIMENTI

- EN.WIKIPEDIA.ORG: Cyclic group [2]
- EN.WIKIPEDIA.ORG: Generating set of a group [3]
- DISPENSA: Elementi periodici. Teoremi di Lagrange, Eulero e Fermat. Gruppi ciclici. [1]

References

- [1] Margherita Barile. Elementi periodici. teoremi di lagrange, eulero e fermat. gruppi ciclici. http://www.dm.uniba.it/~barile/Rete4/algebra1_pdf/lezione4.pdf. <http://www.dm.uniba.it/~barile/> - contiene una buona raccolta di materiale didattico.
- [2] en.wikipedia.org. Cyclic group. https://en.wikipedia.org/wiki/Cyclic_group.
- [3] en.wikipedia.org. Generating set of a group. https://en.wikipedia.org/wiki/Generating_set_of_a_group.