

# 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. Thas is, it consist 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 APPROFONDIMENTI

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