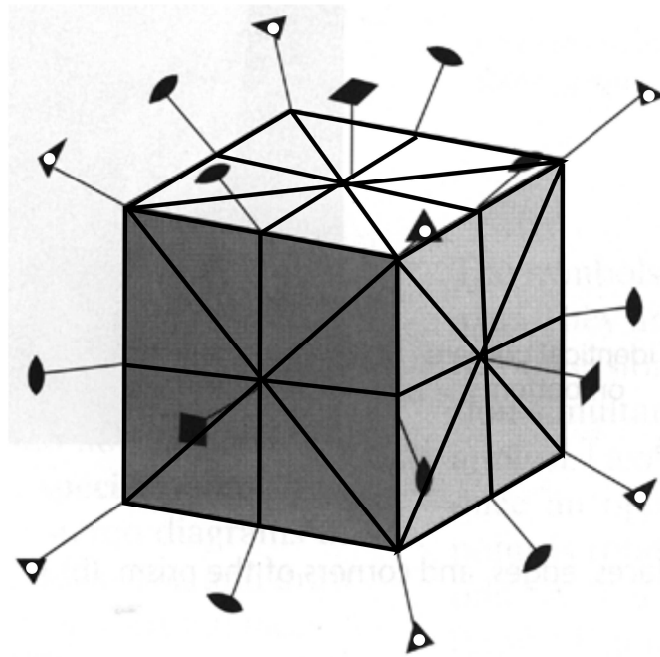


Point group of a cube

$m\bar{3}m$



rotational axes:

2, 3, 4
(x6, x4, x3)

mirror planes:

m
(x3)

inversion center:

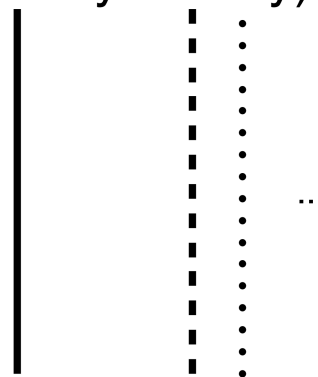
$\bar{1}$
&
rotoinversion:
 $\bar{3}$
(x4)

en.wikipedia.org

All symmetry operations

(incl. translational symmetry)

mirroring /
reflection
(on a line – 2D)
(on a plane – 3D)



reflection
+ translation

inversion
(+ rotation)



rotation
(e.g., by 180°)



rotation
+ translation

