

Hermann-Mauguin (International) notation

This system is used by crystallographers to describe crystals in three dimensions and is therefore limited to the space filling 1,2,3,4 and 6 fold rotations.

Partition	System	G	\bar{G}	Gi	
[1,1,1]	Triclinic	1		$\bar{1}$	
	Monoclinic	2		$2/m$	
	Orthogonal	222	$2mm$	mmm	
[2,1]	Trigonal	3		$\bar{3}$	
		32	$3m$	$\bar{3}m$	
	Tetragonal	4		$\bar{4}$	$4/m$
		422	$42m$	$\bar{4}2m$	$4mmm$
	Hexagonal	6		$\bar{6}$	$6/m$
		622	$62m$	$\bar{6}2m$	$6/mmm$
[3]	Tetrahedral	23		$m\bar{3}$	
	Octahedral	432	$\bar{4}32$	$m\bar{3}m$	