

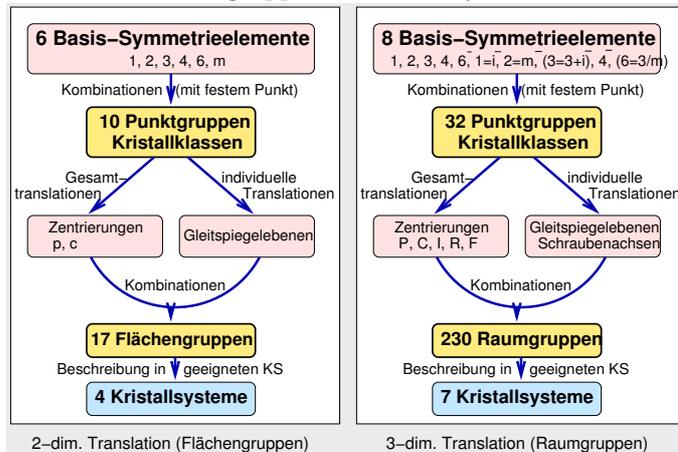
1.1. Idealkristall (Forts.)

1.1.5. Kristallographie und Eigenschaften

Tabelle der 3-dimensionalen Punktgruppen

Nr.	T	Herman-Mauguin		Schönflies	Koordinatensystem	Nr.	T	Herman-Mauguin		Schönflies	Koordinatensystem
		Kurz-	Lang-					Kurz-	Lang-		
		symbol						symbol			
1	C	1	1	C ₁	triklin	16	C	3	3	C ₃	trigonal
2	A	$\bar{1}$	$\bar{1}$	C _i	(a≠b≠c; α≠β≠γ)	17	A	$\bar{3}$	$\bar{3}$	S ₆	(hexagonale A.)
3	D	m	1m1	C _s	monoklin	18	D	3m1	3m1	C _{3v}	(a=b≠c
4	C	2	121	C ₂	(a≠b≠c,	19	B	321	321	D ₃	α=β=90°,
5	A	$\frac{2}{m}$	$1\frac{2}{m}1$	C _{2h}	α=γ=90°; β≠90°)	20	A	$\bar{3}m1$	$\bar{3}\frac{2}{m}1$	D _{3d}	γ=120°)
6	D	mm2	mm2	C _{2v}	orthorhombisch	21	C	$\bar{6}$	$\bar{6}$	C ₆	hexagonal
7	B	222	222	D ₂	(a ≠ b ≠ c,	22	E	$\frac{6}{m}$	$\frac{6}{m}$	C _{3h}	(a = b ≠ c
8	A	mmm	$\frac{2}{m}\frac{2}{m}\frac{2}{m}$	D _{2h}	α=β=γ=90°)	23	A	$\frac{6}{m}$	$\frac{6}{m}$	C _{6h}	α=β=90°;
9	C	4	4	C ₄	tetragonal	24	E	$\bar{6}m2$	$\bar{6}m2$	D _{3h}	γ=120°)
10	E	$\bar{4}$	$\bar{4}$	S ₄	(a=b≠c,	25	D	6mm	6mm	C _{6v}	
11	A	$\frac{4}{m}$	$\frac{4}{m}$	C _{4h}	α=β=γ=90°)	26	B	622	622	D ₆	
12	D	4mm	4mm	C _{4v}		27	A	$\frac{6}{m}mm$	$\frac{6}{m}\frac{2}{m}\frac{2}{m}$	D _{6h}	
13	E	$\bar{4}2m$	$\bar{4}2m$	D _{2d}		28	B	23	23	T	kubisch
14	B	422	422	D ₄		29	A	$m\bar{3}$	$\frac{2}{m}\bar{3}$	T _h	(a=b=c,
15	A	$\frac{4}{m}mm$	$\frac{4}{m}\frac{2}{m}\frac{2}{m}$	D _{4h}		30	E	$\bar{4}3m$	$\bar{4}3m$	T _d	α=β=γ=90°)
						31	B	432	432	O	
						32	A	$m\bar{3}m$	$\frac{4}{m}\bar{3}\frac{2}{m}$	O _h	

Basis-SO ↔ Raumgruppen ↔ Kristallsysteme



Die 32 krist. Punktgruppen nach physikalischen Eigenschaften

