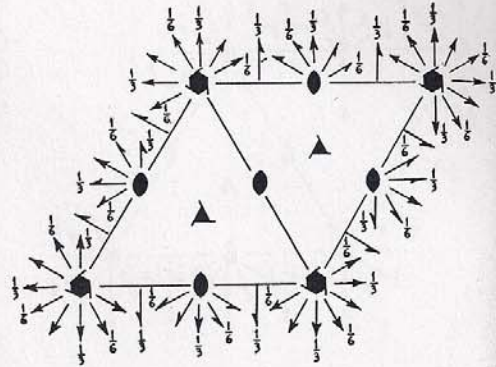
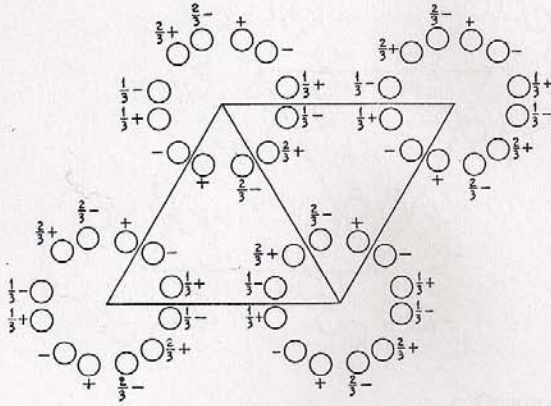


$P6_422$   
 $D_6^5$

No. 181

$P6_422$

6 2 2 Hexagona



Origin at  $6_422$  [2-axes normal to  $(\bar{2}110)$  and  $(01\bar{1}0)$ ]

Number of positions,  
Wyckoff notation,  
and point symmetry

Co-ordinates of equivalent positions

Conditions limiting  
possible reflections

12  $k$  1

$x, y, z;$   $\bar{y}, x - y, \frac{1}{3} + z;$   $y - x, \bar{x}, \frac{2}{3} + z;$   
 $\bar{x}, \bar{y}, z;$   $y, y - x, \frac{1}{3} + z;$   $x - y, x, \frac{2}{3} + z;$   
 $y, x, \frac{1}{3} - z;$   $\bar{x}, y - x, \frac{2}{3} - z;$   $x - y, \bar{y}, \bar{z};$   
 $\bar{y}, \bar{x}, \frac{1}{3} - z;$   $x, x - y, \frac{2}{3} - z;$   $y - x, y, \bar{z}.$

General:

$hkil:$  No conditions  
 $000l: l=3n$

6  $j$  2

$x, 2x, \frac{1}{2};$   $2\bar{x}, \bar{x}, \frac{5}{6};$   $x, \bar{x}, \frac{1}{6};$   $\bar{x}, 2\bar{x}, \frac{1}{2};$   $2x, x, \frac{5}{6};$   $\bar{x}, x, \frac{1}{6}.$

6  $i$  2

$x, 2x, 0;$   $2\bar{x}, \bar{x}, \frac{1}{3};$   $x, \bar{x}, \frac{2}{3};$   $\bar{x}, 2\bar{x}, 0;$   $2x, x, \frac{1}{3};$   $\bar{x}, x, \frac{2}{3}.$

6  $h$  2

$x, 0, \frac{1}{2};$   $0, x, \frac{5}{6};$   $\bar{x}, \bar{x}, \frac{1}{6};$   $\bar{x}, 0, \frac{1}{2};$   $0, \bar{x}, \frac{5}{6};$   $x, x, \frac{1}{6}.$

6  $g$  2

$x, 0, 0;$   $0, x, \frac{1}{3};$   $\bar{x}, \bar{x}, \frac{2}{3};$   $\bar{x}, 0, 0;$   $0, \bar{x}, \frac{1}{3};$   $x, x, \frac{2}{3}.$

6  $f$  2

$\frac{1}{2}, 0, z;$   $0, \frac{1}{2}, \frac{1}{3} + z;$   $\frac{1}{2}, \frac{1}{2}, \frac{2}{3} + z;$   
 $\frac{1}{2}, 0, \bar{z};$   $0, \frac{1}{2}, \frac{1}{3} - z;$   $\frac{1}{2}, \frac{1}{2}, \frac{2}{3} - z.$

6  $e$  2

$0, 0, z;$   $0, 0, \frac{1}{3} + z;$   $0, 0, \frac{2}{3} + z;$   
 $0, 0, \bar{z};$   $0, 0, \frac{1}{3} - z;$   $0, 0, \frac{2}{3} - z.$

3  $d$  222

$\frac{1}{2}, 0, \frac{1}{2};$   $0, \frac{1}{2}, \frac{5}{6};$   $\frac{1}{2}, \frac{1}{2}, \frac{1}{6}.$

3  $c$  222

$\frac{1}{2}, 0, 0;$   $0, \frac{1}{2}, \frac{1}{3};$   $\frac{1}{2}, \frac{1}{2}, \frac{2}{3}.$

3  $b$  222

$0, 0, \frac{1}{2};$   $0, 0, \frac{5}{6};$   $0, 0, \frac{1}{6}.$

3  $a$  222

$0, 0, 0;$   $0, 0, \frac{1}{3};$   $0, 0, \frac{2}{3}.$

Special: as above, plus

no extra conditions

$hkil:$  If  $h=2n$  and  $k=2n$   
then  $l=3n$

$hkil: l=3n$

$hkil:$  If  $h=2n$  and  $k=2n$   
then  $l=3n$

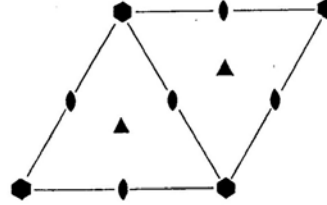
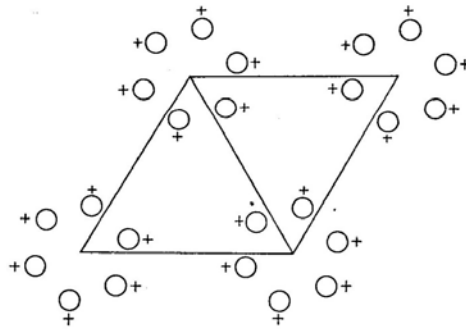
$hkil: l=3n$

$P6$   
 $C_6^1$

No. 168

$P6$

6 Hexagonal



Origin on 6

Number of positions,  
Wyckoff notation,  
and point symmetry

Co-ordinates of equivalent positions

Conditions limiting  
possible reflections

6	<i>d</i>	1	$x, y, z; \bar{y}, x-y, z; y-x, \bar{x}, z;$ $\bar{x}, \bar{y}, z; y, y-x, z; x-y, x, z.$
3	<i>c</i>	2	$\frac{1}{2}, 0, z; 0, \frac{1}{2}, z; \frac{1}{2}, \frac{1}{2}, z.$
2	<i>b</i>	3	$\frac{1}{3}, \frac{2}{3}, z; \frac{2}{3}, \frac{1}{3}, z.$
1	<i>a</i>	6	$0, 0, z.$

General:

*hkl*: No conditions

Special:

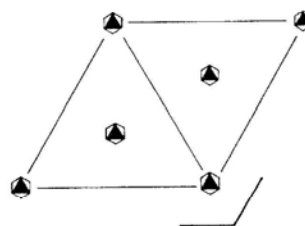
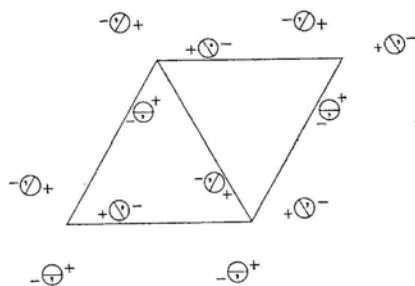
*hkl*: No conditions

Hexagonal  $\bar{6}$

$P\bar{6}$

No. 174

$P\bar{6}$   
 $C_{3h}^1$



Origin at  $\bar{6}$

Number of positions,  
Wyckoff notation,  
and point symmetry

Co-ordinates of equivalent positions

Conditions limiting  
possible reflections

Number of positions, Wyckoff notation, and point symmetry			Co-ordinates of equivalent positions
6	<i>l</i>	1	$x, y, z; \bar{y}, x-y, z; y-x, \bar{x}, z;$ $x, y, \bar{z}; \bar{y}, x-y, \bar{z}; y-x, \bar{x}, \bar{z}.$
3	<i>k</i>	<i>m</i>	$x, y, \frac{1}{2}; \bar{y}, x-y, \frac{1}{2}; y-x, \bar{x}, \frac{1}{2}.$
3	<i>j</i>	<i>m</i>	$x, y, 0; \bar{y}, x-y, 0; y-x, \bar{x}, 0.$
2	<i>i</i>	3	$\frac{2}{3}, \frac{1}{3}, z; \frac{2}{3}, \frac{1}{3}, \bar{z}.$
2	<i>h</i>	3	$\frac{1}{3}, \frac{2}{3}, z; \frac{1}{3}, \frac{2}{3}, \bar{z}.$
2	<i>g</i>	3	$0, 0, z; 0, 0, \bar{z}.$
1	<i>f</i>	$\bar{6}$	$\frac{2}{3}, \frac{1}{3}, \frac{1}{2}.$
1	<i>e</i>	$\bar{6}$	$\frac{2}{3}, \frac{1}{3}, 0.$
1	<i>d</i>	$\bar{6}$	$\frac{1}{3}, \frac{2}{3}, \frac{1}{2}.$
1	<i>c</i>	$\bar{6}$	$\frac{1}{3}, \frac{2}{3}, 0.$
1	<i>b</i>	$\bar{6}$	$0, 0, \frac{1}{2}.$
1	<i>a</i>	$\bar{6}$	$0, 0, 0.$

General:

*hkl*: No conditions

Special:

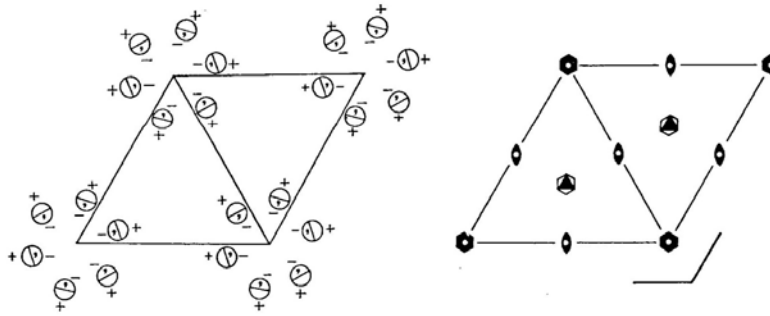
*hkl*: No conditions

$P6/m$   
 $C_{6h}^1$

No. 175

$P 6/m$

$6/m$  Hexagonal



Origin at centre ( $6/m$ )

Number of positions,  
Wyckoff notation,  
and point symmetry

Co-ordinates of equivalent positions

Conditions limiting  
possible reflections

12	<i>l</i>	1	$x, y, z; \bar{y}, x-y, z; y-x, \bar{x}, z;$ $\bar{x}, \bar{y}, \bar{z}; y, y-x, \bar{z}; x-y, x, \bar{z};$ $\bar{x}, \bar{y}, z; y, y-x, z; x-y, x, z;$ $x, y, \bar{z}; \bar{y}, x-y, \bar{z}; y-x, \bar{x}, \bar{z}.$	
6	<i>k</i>	<i>m</i>	$x, y, \frac{1}{2}; \bar{y}, x-y, \frac{1}{2}; y-x, \bar{x}, \frac{1}{2};$ $\bar{x}, \bar{y}, \frac{1}{2}; y, y-x, \frac{1}{2}; x-y, x, \frac{1}{2}.$	
6	<i>j</i>	<i>m</i>	$x, y, 0; \bar{y}, x-y, 0; y-x, \bar{x}, 0;$ $\bar{x}, \bar{y}, 0; y, y-x, 0; x-y, x, 0.$	
6	<i>i</i>	2	$\frac{1}{2}, 0, z; 0, \frac{1}{2}, z; \frac{1}{2}, \frac{1}{2}, z; \frac{1}{2}, 0, \bar{z}; 0, \frac{1}{2}, \bar{z}; \frac{1}{2}, \frac{1}{2}, \bar{z}.$	
4	<i>h</i>	3	$\frac{1}{3}, \frac{2}{3}, z; \frac{2}{3}, \frac{1}{3}, z; \frac{1}{3}, \frac{2}{3}, \bar{z}; \frac{2}{3}, \frac{1}{3}, \bar{z}.$	
3	<i>g</i>	$2/m$	$\frac{1}{2}, 0, \frac{1}{2}; 0, \frac{1}{2}, \frac{1}{2}; \frac{1}{2}, \frac{1}{2}, \frac{1}{2}.$	
3	<i>f</i>	$2/m$	$\frac{1}{2}, 0, 0; 0, \frac{1}{2}, 0; \frac{1}{2}, \frac{1}{2}, 0.$	
2	<i>e</i>	6	$0, 0, z; 0, 0, \bar{z}.$	
2	<i>d</i>	$\bar{6}$	$\frac{1}{3}, \frac{2}{3}, \frac{1}{2}; \frac{2}{3}, \frac{1}{3}, \frac{1}{2}.$	
2	<i>c</i>	$\bar{6}$	$\frac{1}{3}, \frac{2}{3}, 0; \frac{2}{3}, \frac{1}{3}, 0.$	
1	<i>b</i>	$6/m$	$0, 0, \frac{1}{2}.$	
1	<i>a</i>	$6/m$	$0, 0, 0.$	

General:

*hkl*: No conditions

Special:

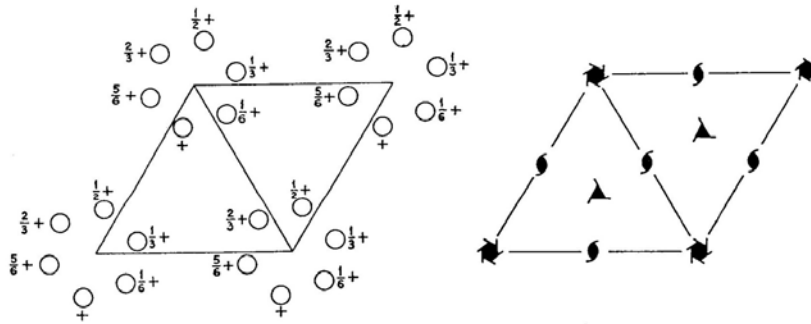
*hkl*: No conditions

Hexagonal 6

$P6_1$

No. 169

$P6_1$   
 $C_6^2$



Origin on  $6_1$

Number of positions,  
Wyckoff notation,  
and point symmetry

Co-ordinates of equivalent positions

Conditions limiting  
possible reflections

6 a 1  $x, y, z;$   $\bar{y}, x - y, \frac{1}{3} + z;$   $y - x, \bar{x}, \frac{2}{3} + z;$   
 $\bar{x}, \bar{y}, \frac{1}{2} + z;$   $y, y - x, \frac{5}{6} + z;$   $x - y, x, \frac{1}{3} + z.$

General:

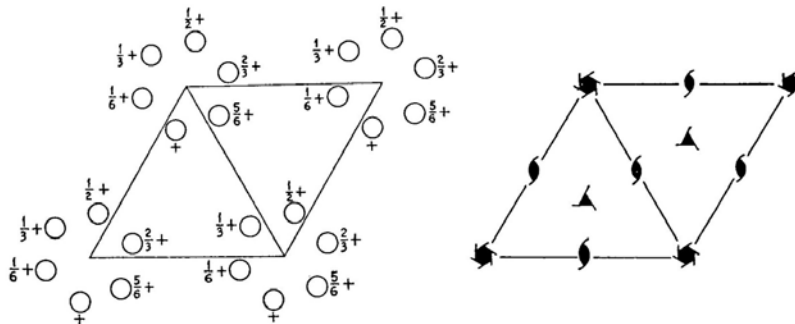
$hkl:$  No conditions  
 $000l: l = 6n$

Hexagonal 6

$P6_5$

No. 170

$P6_5$   
 $C_6^3$



Origin on  $6_5$

6 a 1  $x, y, z;$   $\bar{y}, x - y, \frac{5}{3} + z;$   $y - x, \bar{x}, \frac{1}{3} + z;$   
 $\bar{x}, \bar{y}, \frac{1}{2} + z;$   $y, y - x, \frac{1}{3} + z;$   $x - y, x, \frac{5}{6} + z.$

General:

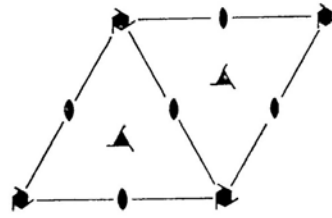
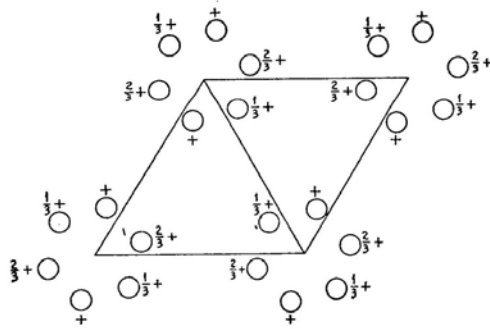
$hkl:$  No conditions  
 $000l: l = 6n$

$P6_2$   
 $C_6^4$

No. 171

$P6_2$

6 Hexagonal



Origin on  $6_2$

Number of positions,  
Wyckoff notation,  
and point symmetry

Co-ordinates of equivalent positions

Conditions limiting  
possible reflections

Number of positions, Wyckoff notation, and point symmetry		Co-ordinates of equivalent positions	Conditions limiting possible reflections
6	<i>c</i>	1 $x, y, z; \bar{y}, x - y, \frac{2}{3} + z; y - x, \bar{x}, \frac{1}{3} + z;$ $\bar{x}, \bar{y}, z; y, y - x, \frac{2}{3} + z; x - y, x, \frac{1}{3} + z.$	General: <i>hkl</i> : No conditions <i>00l</i> : $l = 3n$
3	<i>b</i>	2 $\frac{1}{2}, \frac{1}{2}, z; \frac{1}{2}, 0, \frac{2}{3} + z; 0, \frac{1}{2}, \frac{1}{3} + z.$	Special: <i>hkl</i> : If $h = 2n$ and $k = 2n$ , then $l = 3n$
3	<i>a</i>	2 $0, 0, z; 0, 0, \frac{1}{3} + z; 0, 0, \frac{2}{3} + z.$	<i>hkl</i> : $l = 3n$

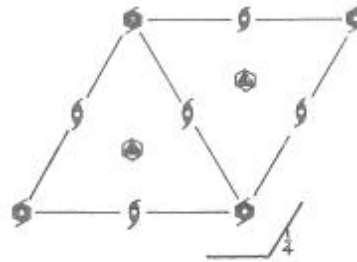
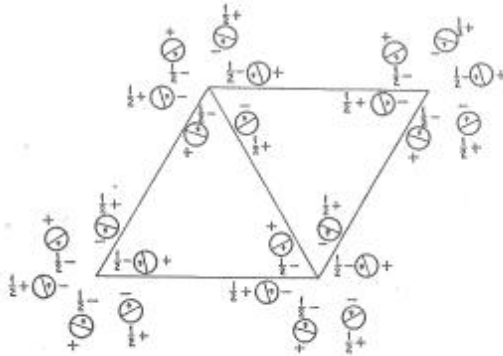


Hexagonal  $6/m$

$P 6_3/m$

No. 176

$P6_3/m$   
 $C_{6h}^2$



Origin at centre ( $\bar{3}$ )

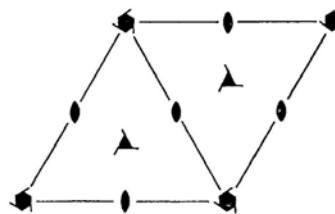
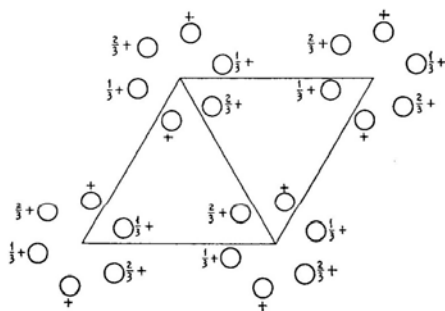
Number of positions,  
Wyckoff notation,  
and point symmetry

Co-ordinates of equivalent positions

Conditions limiting  
possible reflections

			General:			
12	<i>i</i>	1	$x, y, z;$	$\bar{y}, x-y, z;$	$y-x, \bar{x}, z;$	<i>hkil</i> : No conditions
			$\bar{x}, \bar{y}, \bar{z};$	$y, y-x, \bar{z};$	$x-y, x, \bar{z};$	000 <i>l</i> : $l=2n$
			$\bar{x}, \bar{y}, \frac{1}{2}+z;$	$y, y-x, \frac{1}{2}+z;$	$x-y, x, \frac{1}{2}+z;$	
			$x, y, \frac{1}{2}-z;$	$\bar{y}, x-y, \frac{1}{2}-z;$	$y-x, \bar{x}, \frac{1}{2}-z.$	
6	<i>h</i>	<i>m</i>	$x, y, \frac{1}{2};$	$\bar{y}, x-y, \frac{1}{2};$	$y-x, \bar{x}, \frac{1}{2};$	Special: as above, plus no extra conditions
			$\bar{x}, \bar{y}, \frac{1}{2};$	$y, y-x, \frac{1}{2};$	$x-y, x, \frac{1}{2}.$	
6	<i>g</i>	$\bar{1}$	$\frac{1}{2}, 0, 0;$	$0, \frac{1}{2}, 0;$	$\frac{1}{2}, \frac{1}{2}, 0;$	<i>hkil</i> : $l=2n$
			$\frac{1}{2}, 0, \frac{1}{2};$	$0, \frac{1}{2}, \frac{1}{2};$	$\frac{1}{2}, \frac{1}{2}, \frac{1}{2}.$	
4	<i>f</i>	3	$\frac{1}{3}, \frac{2}{3}, z;$	$\frac{2}{3}, \frac{1}{3}, \bar{z};$	$\frac{2}{3}, \frac{1}{3}, \frac{1}{2}+z;$	<i>hkil</i> : If $h-k=3n,$ then $l=2n$
			$\frac{1}{3}, \frac{2}{3}, \frac{1}{2}-z.$			
4	<i>e</i>	3	$0, 0, z;$	$0, 0, \bar{z};$	$0, 0, \frac{1}{2}+z;$	<i>hkil</i> : $l=2n$
			$0, 0, \frac{1}{2}-z.$			
2	<i>d</i>	$\bar{6}$	$\frac{1}{3}, \frac{1}{3}, \frac{1}{2};$	$\frac{1}{3}, \frac{2}{3}, \frac{1}{2};$		} <i>hkil</i> : If $h-k=3n,$ then $l=2n$
2	<i>c</i>	$\bar{6}$	$\frac{2}{3}, \frac{2}{3}, \frac{1}{2};$	$\frac{2}{3}, \frac{1}{3}, \frac{1}{2};$		
2	<i>b</i>	$\bar{3}$	$0, 0, 0;$	$0, 0, \frac{1}{2};$		} <i>hkil</i> : $l=2n$
2	<i>a</i>	$\bar{6}$	$0, 0, \frac{1}{2};$	$0, 0, \frac{1}{2};$		



Origin on  $6_4$ Number of positions,  
Wyckoff notation,  
and point symmetry

Co-ordinates of equivalent positions

Conditions limiting  
possible reflections

6    *c*    1     $x, y, z; \bar{y}, x - y, \frac{1}{3} + z; y - x, \bar{x}, \frac{2}{3} + z;$   
 $\bar{x}, \bar{y}, z; y, y - x, \frac{1}{3} + z; x - y, x, \frac{2}{3} + z.$

3    *b*    2     $\frac{1}{2}, \frac{1}{2}, z; \frac{1}{2}, 0, \frac{1}{3} + z; 0, \frac{1}{2}, \frac{2}{3} + z.$

3    *a*    2     $0, 0, z; 0, 0, \frac{1}{3} + z; 0, 0, \frac{2}{3} + z.$

General:

 $hkl$ : No conditions $00l$ :  $l=3n$ 

Special:

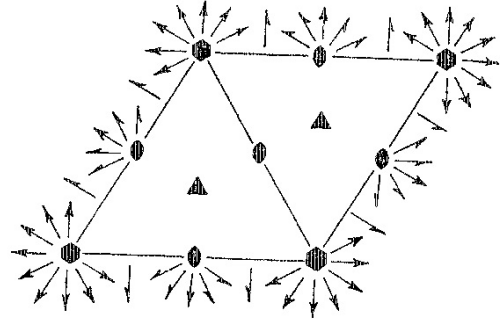
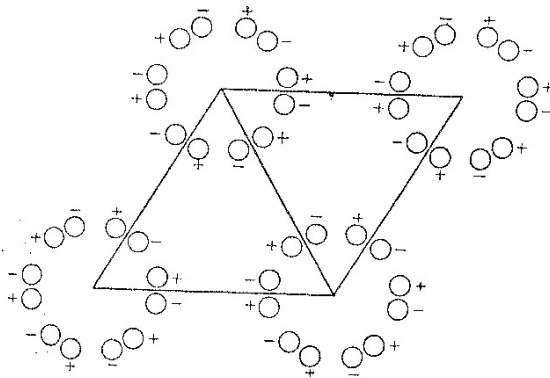
 $hkl$ : If  $h=2n$  and  $k=2n$ ,  
then  $l=3n$  $hkl$ :  $l=3n$

*P622*  
*D<sub>6</sub><sup>1</sup>*

No. 177

*P622*

622 Hexagc



Origin at 622

Number of positions,  
Wyckoff notation,  
and point symmetry

Co-ordinates of equivalent positions

Conditions limiting  
possible reflections

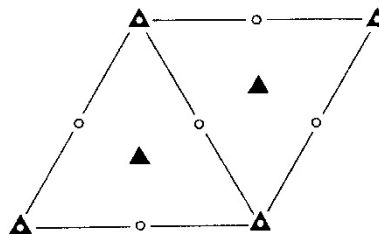
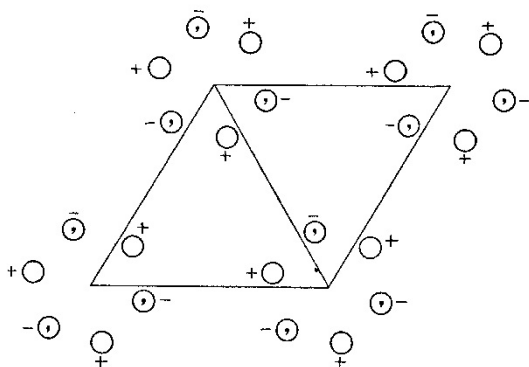
Number of positions, Wyckoff notation, and point symmetry			Co-ordinates of equivalent positions	Conditions limiting possible reflections
12	<i>n</i>	1	$x, y, z; \bar{y}, x-y, z; y-x, \bar{x}, z;$ $\bar{x}, \bar{y}, z; y, y-x, z; x-y, x, z;$ $y, x, \bar{z}; \bar{x}, y-x, \bar{z}; x-y, \bar{y}, \bar{z};$ $\bar{y}, \bar{x}, \bar{z}; x, x-y, \bar{z}; y-x, y, \bar{z}.$	General: No conditions
6	<i>m</i>	2	$x, \bar{x}, \frac{1}{2}; x, 2x, \frac{1}{2}; 2\bar{x}, \bar{x}, \frac{1}{2}; \bar{x}, x, \frac{1}{2}; \bar{x}, 2\bar{x}, \frac{1}{2}; 2x, x, \frac{1}{2}.$	Special: No conditions
6	<i>l</i>	2	$x, \bar{x}, 0; x, 2x, 0; 2\bar{x}, \bar{x}, 0; \bar{x}, x, 0; \bar{x}, 2\bar{x}, 0; 2x, x, 0.$	
6	<i>k</i>	2	$x, 0, \frac{1}{2}; 0, x, \frac{1}{2}; \bar{x}, \bar{x}, \frac{1}{2}; \bar{x}, 0, \frac{1}{2}; 0, \bar{x}, \frac{1}{2}; x, x, \frac{1}{2}.$	
6	<i>j</i>	2	$x, 0, 0; 0, x, 0; \bar{x}, \bar{x}, 0; \bar{x}, 0, 0; 0, \bar{x}, 0; x, x, 0.$	
6	<i>i</i>	2	$\frac{1}{2}, 0, z; 0, \frac{1}{2}, z; \frac{1}{2}, \frac{1}{2}, z; \frac{1}{2}, 0, \bar{z}; 0, \frac{1}{2}, \bar{z}; \frac{1}{2}, \frac{1}{2}, \bar{z}.$	
4	<i>h</i>	3	$\frac{1}{3}, \frac{2}{3}, z; \frac{2}{3}, \frac{1}{3}, z; \frac{1}{3}, \frac{2}{3}, \bar{z}; \frac{2}{3}, \frac{1}{3}, \bar{z}.$	
3	<i>g</i>	222	$\frac{1}{2}, 0, \frac{1}{2}; 0, \frac{1}{2}, \frac{1}{2}; \frac{1}{2}, \frac{1}{2}, \frac{1}{2}.$	
3	<i>f</i>	222	$\frac{1}{2}, 0, 0; 0, \frac{1}{2}, 0; \frac{1}{2}, \frac{1}{2}, 0.$	
2	<i>e</i>	6	$0, 0, z; 0, 0, \bar{z}.$	
2	<i>d</i>	32	$\frac{1}{3}, \frac{2}{3}, \frac{1}{2}; \frac{2}{3}, \frac{1}{3}, \frac{1}{2}.$	
2	<i>c</i>	32	$\frac{1}{3}, \frac{2}{3}, 0; \frac{2}{3}, \frac{1}{3}, 0.$	
1	<i>b</i>	622	$0, 0, \frac{1}{2}.$	
1	<i>a</i>	622	$0, 0, 0.$	

$P\bar{3}$   
 $C_{3i}^1$

No. 147

$P\bar{3}$

$\bar{3}$  Trig



Origin at centre ( $\bar{3}$ )

Number of positions,  
Wyckoff notation,  
and point symmetry

Co-ordinates of equivalent positions

Conditions limiting  
possible reflections

			General:			
			No conditions			
			Special:			
			No conditions			
6	<i>g</i>	1	$x, y, z;$ $\bar{x}, \bar{y}, \bar{z};$	$\bar{y}, x-y, z;$ $y, y-x, \bar{z};$	$y-x, \bar{x}, z;$ $x-y, x, \bar{z};$	
3	<i>f</i>	$\bar{1}$	$\frac{1}{2}, 0, \frac{1}{2};$	$0, \frac{1}{2}, \frac{1}{2};$	$\frac{1}{2}, \frac{1}{2}, \frac{1}{2};$	
3	<i>e</i>	$\bar{1}$	$\frac{1}{2}, 0, 0;$	$0, \frac{1}{2}, 0;$	$\frac{1}{2}, \frac{1}{2}, 0;$	
2	<i>d</i>	3	$\frac{1}{3}, \frac{2}{3}, z;$	$\frac{2}{3}, \frac{1}{3}, \bar{z};$		1 <i>b</i> $\bar{3}$ $0, 0, \frac{1}{2};$
2	<i>c</i>	3	$0, 0, z;$	$0, 0, \bar{z};$		1 <i>a</i> $\bar{3}$ $0, 0, 0;$

(2) HEXAGONAL AXES (No. 148. Continuation of p. 253):

$(0, 0, 0; \frac{1}{3}, \frac{2}{3}, \frac{2}{3}; \frac{2}{3}, \frac{1}{3}, \frac{1}{3})+$

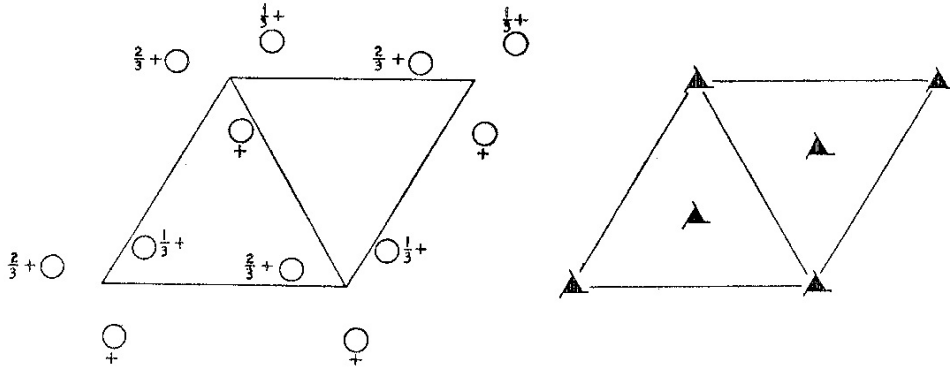
			General:			
			$hkl:$ $-h+k+l=3n$			
			Special:			
			No extra conditions			
18	<i>f</i>	1	$x, y, z;$ $\bar{x}, \bar{y}, \bar{z};$	$\bar{y}, x-y, z;$ $y, y-x, \bar{z};$	$y-x, \bar{x}, z;$ $x-y, x, \bar{z};$	
9	<i>e</i>	$\bar{1}$	$\frac{1}{2}, 0, 0;$	$0, \frac{1}{2}, 0;$	$\frac{1}{2}, \frac{1}{2}, 0;$	
9	<i>d</i>	$\bar{1}$	$\frac{1}{2}, 0, \frac{1}{2};$	$0, \frac{1}{2}, \frac{1}{2};$	$\frac{1}{2}, \frac{1}{2}, \frac{1}{2};$	3 <i>b</i> $\bar{3}$ $0, 0, \frac{1}{2};$
6	<i>c</i>	3	$0, 0, z;$	$0, 0, \bar{z};$		3 <i>a</i> $\bar{3}$ $0, 0, 0;$

$P3_1$   
 $C_3^2$

No. 144

$P3_1$

3 Trig



Origin on  $3_1$

Number of positions,  
Wyckoff notation,  
and point symmetry

Co-ordinates of equivalent positions

Conditions limiting  
possible reflection

3 a 1  $x, y, z; \bar{y}, x - y, \frac{1}{3} + z; y - x, \bar{x}, \frac{2}{3} + z.$

General:

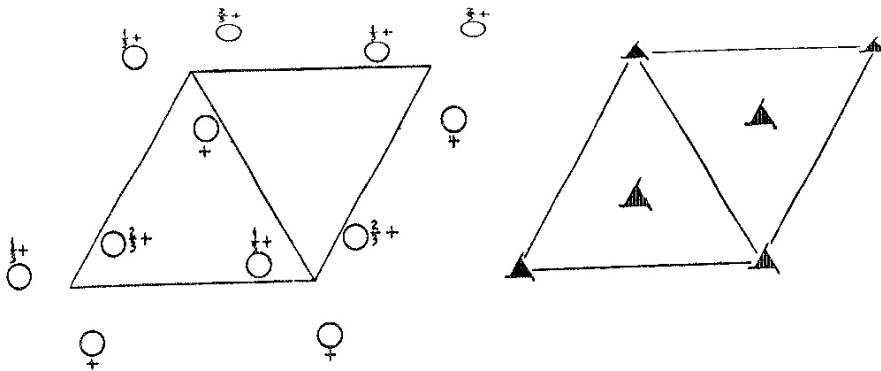
$hki$ : No conditions  
 $000$ :  $l = 3n$

$P3_2$   
 $C_3^3$

No. 145

$P3_2$

3 Trig



Origin on  $3_2$

3 a 1  $x, y, z; \bar{y}, x - y, \frac{2}{3} + z; y - x, \bar{x}, \frac{1}{3} + z.$

General:

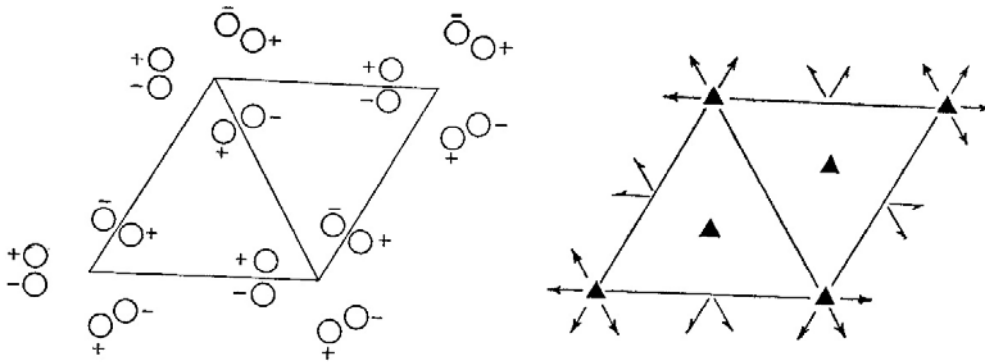
$hki$ : No conditions  
 $000$ :  $l = 3n$

Trigonal 321

$P\bar{3}21$

No. 150

$P\bar{3}21$   
 $D_3^2$



Origin at 321

Number of positions,  
Wyckoff notation,  
and point symmetry

Co-ordinates of equivalent positions

Conditions limiting  
possible reflections

6	<i>g</i>	1	$x, y, z; \bar{y}, x - y, z; y - x, \bar{x}, z;$ $y, x, \bar{z}; \bar{x}, y - x, \bar{z}; x - y, \bar{y}, \bar{z}.$
3	<i>f</i>	2	$x, 0, \frac{1}{2}; 0, x, \frac{1}{2}; \bar{x}, \bar{x}, \frac{1}{2}.$
3	<i>e</i>	2	$x, 0, 0; 0, x, 0; \bar{x}, \bar{x}, 0.$
2	<i>d</i>	3	$\frac{1}{3}, \frac{2}{3}, z; \frac{2}{3}, \frac{1}{3}, \bar{z}.$
2	<i>c</i>	3	$0, 0, z; 0, 0, \bar{z}.$
1	<i>b</i>	32	$0, 0, \frac{1}{2}.$
1	<i>a</i>	32	$0, 0, 0.$

General:  
No conditions

Special:  
No conditions