

Summary of overlap $\{ \eta \}$

Information is compiled on three different levels:

- (i) Overlap of nodes within a family (η_i, η_i)
- (ii) Overlap among pair of nodes of two different families (η_i, η_j)
- (iii) Overlap involving n nodes, $n \geq 3$

It has emerged over a certain time span and consequently notation is not strictly uniform.

Symbols h, l, m, n and p represent integers (positive or negative)

(i) : (η_i, η_i)

(η_1, η_1)

Special:

$(h \ 0 \ 0)_i \equiv (\bar{h} \ 0 \ 0)_j$			
i	η_{1A}	η_{1C}	η_{1E}
j	η_{1B}	η_{1D}	η_{1F}

(η_2, η_2)

Special:

$(h \ \bar{h} \ 0)_i \equiv (\bar{h} \ h \ 0)_j$		
i	η_{2A}	η_{2C}
j	η_{2B}	η_{2D}

$(h \ 0 \ 0)_i \equiv (0 \ h \ 0)_j$		
i	η_{2A}	η_{2B}
j	η_{2C}	η_{2D}

$(0 \ h \ 0)_i \equiv (h \ 0 \ 0)_j$		
i	η_{2A}	η_{2B}
j	η_{2D}	η_{2C}

(η_3, η_3)

Special:

$(2 \ h \ \bar{h} \ 0)_i \equiv (2 \ \bar{h} \ h \ 0)_j$		
i	η_{3A}	η_{3C}
j	η_{3B}	η_{3D}

$(h \ h \ 0)_i \equiv (\bar{h} \ 2 \ h \ 0)_j$		
i	η_{3A}	η_{3B}
j	η_{3C}	η_{3D}

$(h \ 2 \ \bar{h} \ 0)_i \equiv (\bar{h} \ \bar{h} \ 0)_j$		
i	η_{3A}	η_{3B}
j	η_{3D}	η_{3C}

(η_4, η_4)

Special:

$(0 \ 0 \ \mathbf{I})_i \equiv (0 \ 0 \ \bar{\mathbf{I}})_j$						
i	η_{4A}	η_{4C}	η_{4E}	η_{4G}	η_{4I}	η_{4K}
j	η_{4B}	η_{4D}	η_{4F}	η_{4H}	η_{4J}	η_{4L}

$(h \ 2 \ \bar{h} \ 0)_i \equiv (h \ 2 \ \bar{h} \ 0)_j \equiv (h \ 2 \ \bar{h} \ 0)_k$				
i	η_{4A}	η_{4B}	η_{4C}	η_{4D}
j	η_{4G}	η_{4E}	η_{4F}	η_{4H}
k	η_{4J}	η_{4K}	η_{4I}	η_{4L}

(η_5, η_5)

General:

$$(3m - n \ 2n - 3m)_i \equiv (n \ 3m - 2n)_j$$

i	η_{5A}	η_{5B}	η_{5C}	η_{5D}	η_{5E}	η_{5F}	η_{5G}	η_{5H}	η_{5I}	η_{5J}	η_{5K}	η_{5L}	η_{5M}	η_{5N}	η_{5O}	η_{5P}	η_{5Q}	η_{5R}	η_{5S}	η_{5T}	η_{5U}	η_{5V}	η_{5W}	η_{5X}
j	η_{5M}	η_{5N}	η_{5P}	η_{5O}	η_{5W}	η_{5X}	η_{5V}	η_{5U}	η_{5T}	η_{5S}	η_{5Q}	η_{5R}	η_{5A}	η_{5B}	η_{5D}	η_{5C}	η_{5K}	η_{5L}	η_{5J}	η_{5I}	η_{5H}	η_{5G}	η_{5E}	η_{5F}

Special:

$$(h \ 2\bar{h} \ 0)_i \equiv (h \ 2\bar{h} \ 0)_j \equiv (h \ 2\bar{h} \ 0)_k \equiv (\bar{h} \ 2h \ 0)_l \equiv (\bar{h} \ 2h \ 0)_m \equiv (\bar{h} \ 2h \ 0)_n$$

i	η_{5A}	η_{5B}	η_{5C}	η_{5D}
j	η_{5G}	η_{5E}	η_{5F}	η_{5H}
k	η_{5J}	η_{5K}	η_{5I}	η_{5L}
l	η_{5M}	η_{5N}	η_{5P}	η_{5O}
m	η_{5S}	η_{5Q}	η_{5T}	η_{5R}
n	η_{5V}	η_{5W}	η_{5X}	η_{5U}

$$(3p \ 0 \ 2p)_i \equiv (3p \ 0 \ 2p)_j \equiv (3\bar{p} \ 0 \ 2\bar{p})_k \equiv (3\bar{p} \ 0 \ 2\bar{p})_l$$

i	η_{5A}	η_{5C}	η_{5E}	η_{5G}	η_{5I}	η_{5K}
j	η_{5M}	η_{5P}	η_{5W}	η_{5V}	η_{5T}	η_{5Q}
k	η_{5B}	η_{5D}	η_{5F}	η_{5H}	η_{5J}	η_{5L}
l	η_{5N}	η_{5O}	η_{5X}	η_{5U}	η_{5S}	η_{5R}

(η_6, η_6)

General:

$$(n \ 2(2m+n) \ m)_i \equiv (n \ 2(2m+n) \ m)_j$$

i	η_{6A}	η_{6B}	η_{6C}	η_{6D}	η_{6E}	η_{6F}	η_{6G}	η_{6H}	η_{6I}	η_{6J}	η_{6K}	η_{6L}
j	η_{6M}	η_{6N}	η_{6P}	η_{6O}	η_{6W}	η_{6X}	η_{6V}	η_{6U}	η_{6T}	η_{6S}	η_{6Q}	η_{6R}

Special:

$$(h \ 2\bar{h} \ 0)_i \equiv (h \ 2\bar{h} \ 0)_j \equiv (h \ 2\bar{h} \ 0)_k \equiv (\bar{h} \ 2h \ 0)_l \equiv (\bar{h} \ 2h \ 0)_m \equiv (\bar{h} \ 2h \ 0)_n$$

i	η_{6A}	η_{6B}	η_{6C}	η_{6D}
j	η_{6G}	η_{6E}	η_{6F}	η_{6H}
k	η_{6J}	η_{6K}	η_{6I}	η_{6L}
l	η_{6M}	η_{6N}	η_{6P}	η_{6O}
m	η_{6S}	η_{6Q}	η_{6T}	η_{6R}
n	η_{6V}	η_{6W}	η_{6X}	η_{6U}

(η_7, η_7)

General:

$$(m - n \ 2n - m \ 2m)_i \equiv (n \ m - 2n \ 2m)_j$$

i	η_{7A}	η_{7B}	η_{7C}	η_{7D}	η_{7E}	η_{7F}	η_{7G}	η_{7H}	η_{7I}	η_{7J}	η_{7K}	η_{7L}	η_{7M}	η_{7N}	η_{7O}	η_{7P}	η_{7Q}	η_{7R}	η_{7S}	η_{7T}	η_{7U}	η_{7V}	η_{7W}	η_{7X}
j	η_{7M}	η_{7N}	η_{7P}	η_{7O}	η_{7W}	η_{7X}	η_{7V}	η_{7U}	η_{7T}	η_{7S}	η_{7Q}	η_{7R}	η_{7A}	η_{7B}	η_{7D}	η_{7C}	η_{7K}	η_{7L}	η_{7J}	η_{7I}	η_{7H}	η_{7G}	η_{7E}	η_{7F}

Special:

$$(h \ 2\bar{h} \ 0)_i \equiv (h \ 2\bar{h} \ 0)_j \equiv (h \ 2\bar{h} \ 0)_k \equiv (\bar{h} \ 2h \ 0)_l \equiv (\bar{h} \ 2h \ 0)_m \equiv (\bar{h} \ 2h \ 0)_n$$

i	η_{7A}	η_{7B}	η_{7C}	η_{7D}
j	η_{7G}	η_{7E}	η_{7F}	η_{7H}
k	η_{7J}	η_{7K}	η_{7I}	η_{7L}
l	η_{7M}	η_{7N}	η_{7P}	η_{7O}
m	η_{7S}	η_{7Q}	η_{7T}	η_{7R}
n	η_{7V}	η_{7W}	η_{7X}	η_{7U}

$$(h \ 0 \ 4h)_i \equiv (h \ 0 \ 4h)_j \equiv (\bar{h} \ 0 \ 4\bar{h})_k \equiv (\bar{h} \ 0 \ 4\bar{h})_l$$

i	η_{7A}	η_{7C}	η_{7E}	η_{7G}	η_{7I}	η_{7K}
j	η_{7M}	η_{7P}	η_{7W}	η_{7V}	η_{7T}	η_{7Q}
k	η_{7B}	η_{7D}	η_{7F}	η_{7H}	η_{7J}	η_{7L}
l	η_{7N}	η_{7O}	η_{7X}	η_{7U}	η_{7S}	η_{7R}

(η_8, η_8)

Special:

$$(h \overline{2h} 0)_i \equiv (\overline{h} 2h 0)_j$$

i	η_{8A}	η_{8B}	η_{8C}	η_{8D}	η_{8E}	η_{8F}	η_{8G}	η_{8H}	η_{8I}	η_{8J}	η_{8K}	η_{8L}
j	η_{8M}	η_{8N}	η_{8P}	η_{8O}	η_{8W}	η_{8X}	η_{8Y}	η_{8U}	η_{8T}	η_{8S}	η_{8Q}	η_{8R}

$$(0 0 \overline{1})_i \equiv (0 0 \overline{1})_j$$

i	η_{8A}	η_{8B}	η_{8C}	η_{8D}	η_{8E}	η_{8F}	η_{8G}	η_{8H}	η_{8I}	η_{8J}	η_{8K}	η_{8L}
j	η_{8R}	η_{8T}	η_{8Q}	η_{8S}	η_{8O}	η_{8M}	η_{8P}	η_{8N}	η_{8U}	η_{8V}	η_{8W}	η_{8X}

 (η_9, η_9)

Special:

$$(h \overline{2h} 0)_i \equiv (\overline{h} 2h 0)_j$$

i	η_{9A}	η_{9C}	η_{9E}
j	η_{9B}	η_{9D}	η_{9F}

 (η_{10}, η_{10})

General:

$$(3m-n \ m+4n \ \overline{1})_i \equiv (3n-m \ 4m+n \ \overline{1})_j$$

i	η_{10A}	η_{10B}	η_{10C}	η_{10D}	η_{10E}	η_{10F}	η_{10G}	η_{10H}
j	η_{10G}	η_{10B}	η_{10H}	η_{10F}	η_{10D}	η_{10A}	η_{10C}	

Special:

$$(2p \ 5p \ 0)_i \equiv (2p \ 5p \ 0)_j \equiv (2\overline{p} \ 5\overline{p} \ 0)_k \equiv (2\overline{p} \ 5\overline{p} \ 0)_l$$

i	η_{10A}	η_{10B}
j	η_{10G}	η_{10E}
k	η_{10D}	η_{10C}
l	η_{10F}	η_{10H}

$$(7\overline{p} \ 2p \ 0)_i \equiv (5p \ 7\overline{p} \ 0)_j \equiv (5\overline{p} \ 7p \ 0)_k \equiv (7p \ 2\overline{p} \ 0)_l$$

i	η_{10A}	η_{10B}	η_{10E}	η_{10F}
j	η_{10G}	η_{10E}	η_{10B}	η_{10D}
k	η_{10H}	η_{10F}	η_{10A}	η_{10C}
l	η_{10C}	η_{10D}	η_{10G}	η_{10H}

$$(0 0 \overline{1})_i \equiv (0 0 \overline{1})_j$$

i	η_{10A}	η_{10B}	η_{10C}	η_{10D}
j	η_{10G}	η_{10E}	η_{10H}	η_{10F}

(η_{11}, η_{11})

Special:

$$(0\ 0\ \bar{1})_i \equiv (0\ 0\ \bar{1})_j$$

i	η_{11A}	η_{11C}	η_{11E}	η_{11G}	η_{11I}	η_{11K}
j	η_{11B}	η_{11D}	η_{11F}	η_{11H}	η_{11J}	η_{11L}

$$(h\ 0\ 0)_i \equiv (h\ 0\ 0)_j \equiv (h\ 0\ 0)_k$$

i	η_{11A}	η_{11B}	η_{11C}	η_{11D}
j	η_{11G}	η_{11E}	η_{11F}	η_{11H}
k	η_{11J}	η_{11K}	η_{11I}	η_{11L}

 (η_{12}, η_{12})

Special:

$$(h\ h\ 0)_i \equiv (h\ h\ 0)_j \equiv (\bar{h}\ \bar{h}\ 0)_k \equiv (\bar{h}\ \bar{h}\ 0)_l$$

i	η_{12A}	η_{12C}	η_{12E}
j	η_{12H}	η_{12J}	η_{12L}
k	η_{12B}	η_{12D}	η_{12F}
l	η_{12G}	η_{12I}	η_{12K}

(η_3, η_1)

η_{3A}	η_{1A}	η_{1B}	η_{1C}	η_{1D}	η_{1E}	η_{1F}
(h h 0)		(h 2 h 0)				
(h 2 h 0)						(h 2 h 0)
(2 h h 0)			(h 2 h 0)			

η_{3B}	η_{1A}	η_{1B}	η_{1C}	η_{1D}	η_{1E}	η_{1F}
(h h 0)	(h 2 h 0)					
(h 2 h 0)					(h 2 h 0)	
(2 h h 0)			(h 2 h 0)			

η_{3C}	η_{1A}	η_{1B}	η_{1C}	η_{1D}	η_{1E}	η_{1F}
(h h 0)					(h 2 h 0)	
(h 2 h 0)		(h 2 h 0)				
(2 h h 0)				(h 2 h 0)		

η_{3D}	η_{1A}	η_{1B}	η_{1C}	η_{1D}	η_{1E}	η_{1F}
(h h 0)						(h 2 h 0)
(h 2 h 0)	(h 2 h 0)					
(2 h h 0)				(h 2 h 0)		

(η_3, η_2)

η_{3A}	η_{2A}	η_{2B}	η_{2C}	η_{2D}
(0 0 1)	(0 0 1)			

η_{3B}	η_{2A}	η_{2B}	η_{2C}	η_{2D}
(0 0 1)		(0 0 1)		

η_{3C}	η_{2A}	η_{2B}	η_{2C}	η_{2D}
(0 0 1)			(0 0 1)	

η_{3D}	η_{2A}	η_{2B}	η_{2C}	η_{2D}
(0 0 1)				(0 0 1)

(η_3, η_4)

η_{3A}	η_{4A}	η_{4B}	η_{4C}	η_{4D}	η_{4E}	η_{4F}	η_{4G}	η_{4H}	η_{4I}	η_{4J}	η_{4K}	η_{4L}
(h 0 0)										(h 0 0)		
(h h 0)	(h 0 0)											
(0 h 0)								(h 0 0)				

η_{3B}	η_{4A}	η_{4B}	η_{4C}	η_{4D}	η_{4E}	η_{4F}	η_{4G}	η_{4H}	η_{4I}	η_{4J}	η_{4K}	η_{4L}
(h 0 0)												(h 0 0)
(h h 0)			(h 0 0)									
(0 h 0)								(h 0 0)				

η_{3C}	η_{4A}	η_{4B}	η_{4C}	η_{4D}	η_{4E}	η_{4F}	η_{4G}	η_{4H}	η_{4I}	η_{4J}	η_{4K}	η_{4L}
(h 0 0)		(h 0 0)										
(h h 0)											(h 0 0)	
(0 h 0)					(h 0 0)							

η_{3D}	η_{4A}	η_{4B}	η_{4C}	η_{4D}	η_{4E}	η_{4F}	η_{4G}	η_{4H}	η_{4I}	η_{4J}	η_{4K}	η_{4L}
(h 0 0)			(h 0 0)									
(h h 0)										(h 0 0)		
(0 h 0)						(h 0 0)						

(η_3, η_{10})

η_{3A}	η_{10A}	η_{10B}	η_{10C}	η_{10D}	η_{10E}	η_{10F}	η_{10G}	η_{10H}
(0 0 1)	(0 0 1)							(0 0 1)

η_{3B}	η_{10A}	η_{10B}	η_{10C}	η_{10D}	η_{10E}	η_{10F}	η_{10G}	η_{10H}
(0 0 1)				(0 0 1)		(0 0 1)		

η_{3C}	η_{10A}	η_{10B}	η_{10C}	η_{10D}	η_{10E}	η_{10F}	η_{10G}	η_{10H}
(0 0 1)		(0 0 1)			(0 0 1)			

η_{3D}	η_{10A}	η_{10B}	η_{10C}	η_{10D}	η_{10E}	η_{10F}	η_{10G}	η_{10H}
(0 0 1)			(0 0 1)					(0 0 1)

(η_4, η_1)

η_{4A}	η_{1A}	η_{1B}	η_{1C}	η_{1D}	η_{1E}	η_{1F}
(0 0 I)	(0 0 I)					
η_{4B}	η_{1A}	η_{1B}	η_{1C}	η_{1D}	η_{1E}	η_{1F}
(0 0 I)	(0 0 I)					
η_{4C}	η_{1A}	η_{1B}	η_{1C}	η_{1D}	η_{1E}	η_{1F}
(0 0 I)		(0 0 I)				
η_{4D}	η_{1A}	η_{1B}	η_{1C}	η_{1D}	η_{1E}	η_{1F}
(0 0 I)		(0 0 I)				
η_{4E}	η_{1A}	η_{1B}	η_{1C}	η_{1D}	η_{1E}	η_{1F}
(0 0 I)			(0 0 I)			
η_{4F}	η_{1A}	η_{1B}	η_{1C}	η_{1D}	η_{1E}	η_{1F}
(0 0 I)			(0 0 I)			
η_{4G}	η_{1A}	η_{1B}	η_{1C}	η_{1D}	η_{1E}	η_{1F}
(0 0 I)				(0 0 I)		
η_{4H}	η_{1A}	η_{1B}	η_{1C}	η_{1D}	η_{1E}	η_{1F}
(0 0 I)				(0 0 I)		
η_{4I}	η_{1A}	η_{1B}	η_{1C}	η_{1D}	η_{1E}	η_{1F}
(0 0 I)					(0 0 I)	
η_{4J}	η_{1A}	η_{1B}	η_{1C}	η_{1D}	η_{1E}	η_{1F}
(0 0 I)					(0 0 I)	
η_{4K}	η_{1A}	η_{1B}	η_{1C}	η_{1D}	η_{1E}	η_{1F}
(0 0 I)						(0 0 I)
η_{4L}	η_{1A}	η_{1B}	η_{1C}	η_{1D}	η_{1E}	η_{1F}
(0 0 I)						(0 0 I)

(η_4, η_3)

η_{4A}	η_{3A}	η_{3B}	η_{3C}	η_{3D}
(h 0 0)	(h h 0)			
η_{4B}	η_{3A}	η_{3B}	η_{3C}	η_{3D}
(h 0 0)		(h 0 0)		
η_{4C}	η_{3A}	η_{3B}	η_{3C}	η_{3D}
(h 0 0)			(h 0 0)	
η_{4D}	η_{3A}	η_{3B}	η_{3C}	η_{3D}
(h 0 0)		(h h 0)		
η_{4E}	η_{3A}	η_{3B}	η_{3C}	η_{3D}
(h 0 0)			(0 h 0)	
η_{4F}	η_{3A}	η_{3B}	η_{3C}	η_{3D}
(h 0 0)				(0 h 0)
η_{4G}	η_{3A}	η_{3B}	η_{3C}	η_{3D}
(h 0 0)	(0 h 0)			
η_{4H}	η_{3A}	η_{3B}	η_{3C}	η_{3D}
(h 0 0)		(0 h 0)		
η_{4I}	η_{3A}	η_{3B}	η_{3C}	η_{3D}
(h 0 0)			(h h 0)	
η_{4J}	η_{3A}	η_{3B}	η_{3C}	η_{3D}
(h 0 0)	(h 0 0)			
η_{4K}	η_{3A}	η_{3B}	η_{3C}	η_{3D}
(h 0 0)			(h h 0)	
η_{4L}	η_{3A}	η_{3B}	η_{3C}	η_{3D}
(h 0 0)		(h 0 0)		

(η4, η9)

η4A	η9A	η9B	η9C	η9D	η9E	η9F
(0 0 1)	(0 0 1)					
η4B	η9A	η9B	η9C	η9D	η9E	η9F
(0 0 1)	(0 0 1)					
η4C	η9A	η9B	η9C	η9D	η9E	η9F
(0 0 1)	(0 0 1)					
η4D	η9A	η9B	η9C	η9D	η9E	η9F
(0 0 1)	(0 0 1)					
η4E	η9A	η9B	η9C	η9D	η9E	η9F
(0 0 1)		(0 0 1)				
η4F	η9A	η9B	η9C	η9D	η9E	η9F
(0 0 1)		(0 0 1)				
η4G	η9A	η9B	η9C	η9D	η9E	η9F
(0 0 1)			(0 0 1)			
η4H	η9A	η9B	η9C	η9D	η9E	η9F
(0 0 1)			(0 0 1)			
η4I	η9A	η9B	η9C	η9D	η9E	η9F
(0 0 1)				(0 0 1)		
η4J	η9A	η9B	η9C	η9D	η9E	η9F
(0 0 1)				(0 0 1)		
η4K	η9A	η9B	η9C	η9D	η9E	η9F
(0 0 1)					(0 0 1)	
η4L	η9A	η9B	η9C	η9D	η9E	η9F
(0 0 1)					(0 0 1)	

(η4, η11)

η4A	η11A	η11B	η11C	η11D	η11E	η11F	η11G	η11H	η11I	η11J	η11K	η11L
(0 0 1)	(0 0 1)	(0 0 1)										
η4B	η11A	η11B	η11C	η11D	η11E	η11F	η11G	η11H	η11I	η11J	η11K	η11L
(0 0 1)	(0 0 1)	(0 0 1)										
η4C	η11A	η11B	η11C	η11D	η11E	η11F	η11G	η11H	η11I	η11J	η11K	η11L
(0 0 1)		(0 0 1)	(0 0 1)									
η4D	η11A	η11B	η11C	η11D	η11E	η11F	η11G	η11H	η11I	η11J	η11K	η11L
(0 0 1)		(0 0 1)	(0 0 1)									
η4E	η11A	η11B	η11C	η11D	η11E	η11F	η11G	η11H	η11I	η11J	η11K	η11L
(0 0 1)				(0 0 1)	(0 0 1)							
η4F	η11A	η11B	η11C	η11D	η11E	η11F	η11G	η11H	η11I	η11J	η11K	η11L
(0 0 1)				(0 0 1)	(0 0 1)							
η4G	η11A	η11B	η11C	η11D	η11E	η11F	η11G	η11H	η11I	η11J	η11K	η11L
(0 0 1)						(0 0 1)	(0 0 1)					
η4H	η11A	η11B	η11C	η11D	η11E	η11F	η11G	η11H	η11I	η11J	η11K	η11L
(0 0 1)						(0 0 1)	(0 0 1)					
η4I	η11A	η11B	η11C	η11D	η11E	η11F	η11G	η11H	η11I	η11J	η11K	η11L
(0 0 1)								(0 0 1)	(0 0 1)			
η4J	η11A	η11B	η11C	η11D	η11E	η11F	η11G	η11H	η11I	η11J	η11K	η11L
(0 0 1)							(0 0 1)	(0 0 1)				
η4K	η11A	η11B	η11C	η11D	η11E	η11F	η11G	η11H	η11I	η11J	η11K	η11L
(0 0 1)										(0 0 1)	(0 0 1)	
η4L	η11A	η11B	η11C	η11D	η11E	η11F	η11G	η11H	η11I	η11J	η11K	η11L
(0 0 1)										(0 0 1)	(0 0 1)	

(η_8, η_2)

η_{8A}	η_{2A}	η_{2B}	η_{2C}	η_{2D}
(h 2 h 0)	(h 2 h 0)			

η_{8B}	η_{2A}	η_{2B}	η_{2C}	η_{2D}
(h 2 h 0)			(2 h h 0)	

η_{8C}	η_{2A}	η_{2B}	η_{2C}	η_{2D}
(h 2 h 0)				(2 h h 0)

η_{8D}	η_{2A}	η_{2B}	η_{2C}	η_{2D}
(h 2 h 0)		(h 2 h 0)		

η_{8E}	η_{2A}	η_{2B}	η_{2C}	η_{2D}
(h 2 h 0)			(h h 0)	

η_{8F}	η_{2A}	η_{2B}	η_{2C}	η_{2D}
(h 2 h 0)				(h h 0)

η_{8G}	η_{2A}	η_{2B}	η_{2C}	η_{2D}
(h 2 h 0)	(h h 0)			

η_{8H}	η_{2A}	η_{2B}	η_{2C}	η_{2D}
(h 2 h 0)		(h h 0)		

η_{8I}	η_{2A}	η_{2B}	η_{2C}	η_{2D}
(h 2 h 0)				(h 2 h 0)

η_{8J}	η_{2A}	η_{2B}	η_{2C}	η_{2D}
(h 2 h 0)	(2 h h 0)			

η_{8K}	η_{2A}	η_{2B}	η_{2C}	η_{2D}
(h 2 h 0)			(h 2 h 0)	

η_{8L}	η_{2A}	η_{2B}	η_{2C}	η_{2D}
(h 2 h 0)		(2 h h 0)		

η_{8M}	η_{2A}	η_{2B}	η_{2C}	η_{2D}
(h 2 h 0)	(h 2 h 0)			

η_{8N}	η_{2A}	η_{2B}	η_{2C}	η_{2D}
(h 2 h 0)			(2 h h 0)	

η_{8O}	η_{2A}	η_{2B}	η_{2C}	η_{2D}
(h 2 h 0)		(h 2 h 0)		

η_{8P}	η_{2A}	η_{2B}	η_{2C}	η_{2D}
(h 2 h 0)				(2 h h 0)

η_{8Q}	η_{2A}	η_{2B}	η_{2C}	η_{2D}
(h 2 h 0)			(h 2 h 0)	

η_{8R}	η_{2A}	η_{2B}	η_{2C}	η_{2D}
(h 2 h 0)		(2 h h 0)		

η_{8S}	η_{2A}	η_{2B}	η_{2C}	η_{2D}
(h 2 h 0)	(2 h h 0)			

η_{8T}	η_{2A}	η_{2B}	η_{2C}	η_{2D}
(h 2 h 0)				(h 2 h 0)

η_{8U}	η_{2A}	η_{2B}	η_{2C}	η_{2D}
(h 2 h 0)		(h h 0)		

η_{8V}	η_{2A}	η_{2B}	η_{2C}	η_{2D}
(h 2 h 0)	(h h 0)			

η_{8W}	η_{2A}	η_{2B}	η_{2C}	η_{2D}
(h 2 h 0)			(h h 0)	

η_{8X}	η_{2A}	η_{2B}	η_{2C}	η_{2D}
(h 2 h 0)				(h h 0)

(η₉, η₁)

η _{9A}	η _{1A}	η _{1B}	η _{1C}	η _{1D}	η _{1E}	η _{1F}
(0 0 1)	(0 0 1)					
η _{9B}	η _{1A}	η _{1B}	η _{1C}	η _{1D}	η _{1E}	η _{1F}
(0 0 1)		(0 0 1)				
η _{9C}	η _{1A}	η _{1B}	η _{1C}	η _{1D}	η _{1E}	η _{1F}
(0 0 1)			(0 0 1)			
η _{9D}	η _{1A}	η _{1B}	η _{1C}	η _{1D}	η _{1E}	η _{1F}
(0 0 1)				(0 0 1)		
η _{9E}	η _{1A}	η _{1B}	η _{1C}	η _{1D}	η _{1E}	η _{1F}
(0 0 1)					(0 0 1)	
η _{9F}	η _{1A}	η _{1B}	η _{1C}	η _{1D}	η _{1E}	η _{1F}
(0 0 1)						(0 0 1)

(η₉, η₂)

η _{9A}	η _{2A}	η _{2B}	η _{2C}	η _{2D}
(h 0 0)		(h̄ 0 0)		(0 h̄ 0)
η _{9B}	η _{2A}	η _{2B}	η _{2C}	η _{2D}
(h 0 0)	(h 0 0)		(0 h 0)	
η _{9C}	η _{2A}	η _{2B}	η _{2C}	η _{2D}
(h 0 0)	(h̄ h 0)	(h h̄ 0)		
η _{9D}	η _{2A}	η _{2B}	η _{2C}	η _{2D}
(h 0 0)			(h̄ h 0)	(h h̄ 0)
η _{9E}	η _{2A}	η _{2B}	η _{2C}	η _{2D}
(h 0 0)		(0 h 0)	(h 0 0)	
η _{9F}	η _{2A}	η _{2B}	η _{2C}	η _{2D}
(h 0 0)	(0 h̄ 0)			(h̄ 0 0)

(η₉, η₄)

η _{9A}	η _{4A}	η _{4B}	η _{4C}	η _{4D}	η _{4E}	η _{4F}	η _{4G}	η _{4H}	η _{4I}	η _{4J}	η _{4K}	η _{4L}
(0 0 1)	(0 0 1)	(0 0 1)										
η _{9B}	η _{4A}	η _{4B}	η _{4C}	η _{4D}	η _{4E}	η _{4F}	η _{4G}	η _{4H}	η _{4I}	η _{4J}	η _{4K}	η _{4L}
(0 0 1)			(0 0 1)	(0 0 1)								
η _{9C}	η _{4A}	η _{4B}	η _{4C}	η _{4D}	η _{4E}	η _{4F}	η _{4G}	η _{4H}	η _{4I}	η _{4J}	η _{4K}	η _{4L}
(0 0 1)				(0 0 1)	(0 0 1)							
η _{9D}	η _{4A}	η _{4B}	η _{4C}	η _{4D}	η _{4E}	η _{4F}	η _{4G}	η _{4H}	η _{4I}	η _{4J}	η _{4K}	η _{4L}
(0 0 1)						(0 0 1)	(0 0 1)					
η _{9E}	η _{4A}	η _{4B}	η _{4C}	η _{4D}	η _{4E}	η _{4F}	η _{4G}	η _{4H}	η _{4I}	η _{4J}	η _{4K}	η _{4L}
(0 0 1)								(0 0 1)	(0 0 1)			
η _{9F}	η _{4A}	η _{4B}	η _{4C}	η _{4D}	η _{4E}	η _{4F}	η _{4G}	η _{4H}	η _{4I}	η _{4J}	η _{4K}	η _{4L}
(0 0 1)										(0 0 1)	(0 0 1)	

(η₉, η₁₁)

η _{9A}	η _{11A}	η _{11B}	η _{11C}	η _{11D}	η _{11E}	η _{11F}	η _{11G}	η _{11H}	η _{11I}	η _{11J}	η _{11K}	η _{11L}
(0 0 1)	(0 0 1)	(0 0 1)										
η _{9B}	η _{11A}	η _{11B}	η _{11C}	η _{11D}	η _{11E}	η _{11F}	η _{11G}	η _{11H}	η _{11I}	η _{11J}	η _{11K}	η _{11L}
(0 0 1)			(0 0 1)	(0 0 1)								
η _{9C}	η _{11A}	η _{11B}	η _{11C}	η _{11D}	η _{11E}	η _{11F}	η _{11G}	η _{11H}	η _{11I}	η _{11J}	η _{11K}	η _{11L}
(0 0 1)				(0 0 1)	(0 0 1)							
η _{9D}	η _{11A}	η _{11B}	η _{11C}	η _{11D}	η _{11E}	η _{11F}	η _{11G}	η _{11H}	η _{11I}	η _{11J}	η _{11K}	η _{11L}
(0 0 1)						(0 0 1)	(0 0 1)					
η _{9E}	η _{11A}	η _{11B}	η _{11C}	η _{11D}	η _{11E}	η _{11F}	η _{11G}	η _{11H}	η _{11I}	η _{11J}	η _{11K}	η _{11L}
(0 0 1)								(0 0 1)	(0 0 1)			
η _{9F}	η _{11A}	η _{11B}	η _{11C}	η _{11D}	η _{11E}	η _{11F}	η _{11G}	η _{11H}	η _{11I}	η _{11J}	η _{11K}	η _{11L}
(0 0 1)										(0 0 1)	(0 0 1)	

(η₉, η₁₂)

η _{9A}	η _{12A}	η _{12B}	η _{12C}	η _{12D}	η _{12E}	η _{12F}	η _{12G}	η _{12H}	η _{12I}	η _{12J}	η _{12K}	η _{12L}
(h 2 h̄ 0)			(h h 0)	(h̄ h̄ 0)					(h̄ h̄ 0)	(h h 0)		
η _{9B}	η _{12A}	η _{12B}	η _{12C}	η _{12D}	η _{12E}	η _{12F}	η _{12G}	η _{12H}	η _{12I}	η _{12J}	η _{12K}	η _{12L}
(h 2 h̄ 0)			(h̄ h̄ 0)	(h h 0)					(h h 0)	(h̄ h̄ 0)		
η _{9C}	η _{12A}	η _{12B}	η _{12C}	η _{12D}	η _{12E}	η _{12F}	η _{12G}	η _{12H}	η _{12I}	η _{12J}	η _{12K}	η _{12L}
(h 2 h̄ 0)	(h h 0)	(h h 0)						(h h 0)	(h h 0)			
η _{9D}	η _{12A}	η _{12B}	η _{12C}	η _{12D}	η _{12E}	η _{12F}	η _{12G}	η _{12H}	η _{12I}	η _{12J}	η _{12K}	η _{12L}
(h 2 h̄ 0)	(h h 0)	(h̄ h̄ 0)						(h̄ h̄ 0)	(h h 0)			
η _{9E}	η _{12A}	η _{12B}	η _{12C}	η _{12D}	η _{12E}	η _{12F}	η _{12G}	η _{12H}	η _{12I}	η _{12J}	η _{12K}	η _{12L}
(h 2 h̄ 0)				(h̄ h̄ 0)	(h h 0)						(h h 0)	(h̄ h̄ 0)
η _{9F}	η _{12A}	η _{12B}	η _{12C}	η _{12D}	η _{12E}	η _{12F}	η _{12G}	η _{12H}	η _{12I}	η _{12J}	η _{12K}	η _{12L}
(h 2 h̄ 0)				(h h 0)	(h̄ h̄ 0)						(h̄ h̄ 0)	(h h 0)

(η_{10}, η_2)

η_{10A}	η_{2A}	η_{2B}	η_{2C}	η_{2D}
(0 0 I)	(0 0 I)			

η_{10B}	η_{2A}	η_{2B}	η_{2C}	η_{2D}
(0 0 I)			(0 0 I)	

η_{10C}	η_{2A}	η_{2B}	η_{2C}	η_{2D}
(0 0 I)				(0 0 I)

η_{10D}	η_{2A}	η_{2B}	η_{2C}	η_{2D}
(0 0 I)		(0 0 I)		

η_{10E}	η_{2A}	η_{2B}	η_{2C}	η_{2D}
(0 0 I)			(0 0 I)	

η_{10F}	η_{2A}	η_{2B}	η_{2C}	η_{2D}
(0 0 I)		(0 0 I)		

η_{10G}	η_{2A}	η_{2B}	η_{2C}	η_{2D}
(0 0 I)	(0 0 I)			

η_{10H}	η_{2A}	η_{2B}	η_{2C}	η_{2D}
(0 0 I)				(0 0 I)

 (η_{10}, η_3)

η_{10A}	η_{3A}	η_{3B}	η_{3C}	η_{3D}
(0 0 I)	(0 0 I)			

η_{10B}	η_{3A}	η_{3B}	η_{3C}	η_{3D}
(0 0 I)			(0 0 I)	

η_{10C}	η_{3A}	η_{3B}	η_{3C}	η_{3D}
(0 0 I)				(0 0 I)

η_{10D}	η_{3A}	η_{3B}	η_{3C}	η_{3D}
(0 0 I)		(0 0 I)		

η_{10E}	η_{3A}	η_{3B}	η_{3C}	η_{3D}
(0 0 I)			(0 0 I)	

η_{10F}	η_{3A}	η_{3B}	η_{3C}	η_{3D}
(0 0 I)		(0 0 I)		

η_{10G}	η_{3A}	η_{3B}	η_{3C}	η_{3D}
(0 0 I)	(0 0 I)			

η_{10H}	η_{3A}	η_{3B}	η_{3C}	η_{3D}
(0 0 I)				(0 0 I)

(η_{11}, η_1)

η_{11A}	η_{1A}	η_{1B}	η_{1C}	η_{1D}	η_{1E}	η_{1F}
$(0 \ 0 \ 1)$	$(0 \ 0 \ 1)$					
η_{11B}	η_{1A}	η_{1B}	η_{1C}	η_{1D}	η_{1E}	η_{1F}
$(0 \ 0 \ 1)$	$(0 \ 0 \ 1)$					
η_{11C}	η_{1A}	η_{1B}	η_{1C}	η_{1D}	η_{1E}	η_{1F}
$(0 \ 0 \ 1)$	$(0 \ 0 \ 1)$					
η_{11D}	η_{1A}	η_{1B}	η_{1C}	η_{1D}	η_{1E}	η_{1F}
$(0 \ 0 \ 1)$	$(0 \ 0 \ 1)$					
η_{11E}	η_{1A}	η_{1B}	η_{1C}	η_{1D}	η_{1E}	η_{1F}
$(0 \ 0 \ 1)$			$(0 \ 0 \ 1)$			
η_{11F}	η_{1A}	η_{1B}	η_{1C}	η_{1D}	η_{1E}	η_{1F}
$(0 \ 0 \ 1)$			$(0 \ 0 \ 1)$			
η_{11G}	η_{1A}	η_{1B}	η_{1C}	η_{1D}	η_{1E}	η_{1F}
$(0 \ 0 \ 1)$			$(0 \ 0 \ 1)$			
η_{11H}	η_{1A}	η_{1B}	η_{1C}	η_{1D}	η_{1E}	η_{1F}
$(0 \ 0 \ 1)$			$(0 \ 0 \ 1)$			
η_{11I}	η_{1A}	η_{1B}	η_{1C}	η_{1D}	η_{1E}	η_{1F}
$(0 \ 0 \ 1)$				$(0 \ 0 \ 1)$		
η_{11J}	η_{1A}	η_{1B}	η_{1C}	η_{1D}	η_{1E}	η_{1F}
$(0 \ 0 \ 1)$				$(0 \ 0 \ 1)$		
η_{11K}	η_{1A}	η_{1B}	η_{1C}	η_{1D}	η_{1E}	η_{1F}
$(0 \ 0 \ 1)$					$(0 \ 0 \ 1)$	
η_{11L}	η_{1A}	η_{1B}	η_{1C}	η_{1D}	η_{1E}	η_{1F}
$(0 \ 0 \ 1)$					$(0 \ 0 \ 1)$	

 (η_{11}, η_2)

η_{11A}	η_{2A}	η_{2B}	η_{2C}	η_{2D}
$(h \ 2 \ h \ 0)$	$(\bar{h} \ 2 \ h \ 0)$			
η_{11B}	η_{2A}	η_{2B}	η_{2C}	η_{2D}
$(h \ 2 \ h \ 0)$			$(2 \ h \ h \ 0)$	
η_{11C}	η_{2A}	η_{2B}	η_{2C}	η_{2D}
$(h \ 2 \ h \ 0)$				$(2 \ h \ h \ 0)$
η_{11D}	η_{2A}	η_{2B}	η_{2C}	η_{2D}
$(h \ 2 \ h \ 0)$		$(\bar{h} \ 2 \ h \ 0)$		
η_{11E}	η_{2A}	η_{2B}	η_{2C}	η_{2D}
$(h \ 2 \ h \ 0)$			$(h \ h \ 0)$	
η_{11F}	η_{2A}	η_{2B}	η_{2C}	η_{2D}
$(h \ 2 \ h \ 0)$				$(h \ h \ 0)$
η_{11G}	η_{2A}	η_{2B}	η_{2C}	η_{2D}
$(h \ 2 \ h \ 0)$	$(\bar{h} \ \bar{h} \ 0)$			
η_{11H}	η_{2A}	η_{2B}	η_{2C}	η_{2D}
$(h \ 2 \ h \ 0)$		$(\bar{h} \ \bar{h} \ 0)$		
η_{11I}	η_{2A}	η_{2B}	η_{2C}	η_{2D}
$(h \ 2 \ h \ 0)$				$(h \ 2 \ h \ 0)$
η_{11J}	η_{2A}	η_{2B}	η_{2C}	η_{2D}
$(h \ 2 \ h \ 0)$	$(2 \ h \ \bar{h} \ 0)$			
η_{11K}	η_{2A}	η_{2B}	η_{2C}	η_{2D}
$(h \ 2 \ h \ 0)$			$(h \ 2 \ h \ 0)$	
η_{11L}	η_{2A}	η_{2B}	η_{2C}	η_{2D}
$(h \ 2 \ h \ 0)$		$(2 \ h \ \bar{h} \ 0)$		

(η_{12}, η_9)

η_{12A}	η_{9A}	η_{9B}	η_{9C}	η_{9D}	η_{9E}	η_{9F}
(h h 0)			(\bar{h} 2 h 0)	(h 2 \bar{h} 0)		
η_{12B}	η_{9A}	η_{9B}	η_{9C}	η_{9D}	η_{9E}	η_{9F}
(h h 0)			(h 2 \bar{h} 0)	(\bar{h} 2 h 0)		
η_{12C}	η_{9A}	η_{9B}	η_{9C}	η_{9D}	η_{9E}	η_{9F}
(h h 0)	(h 2 \bar{h} 0)	(\bar{h} 2 h 0)				
η_{12D}	η_{9A}	η_{9B}	η_{9C}	η_{9D}	η_{9E}	η_{9F}
(h h 0)	(\bar{h} 2 h 0)	(h 2 \bar{h} 0)				
η_{12E}	η_{9A}	η_{9B}	η_{9C}	η_{9D}	η_{9E}	η_{9F}
(h h 0)				(\bar{h} 2 h 0)	(h 2 \bar{h} 0)	
η_{12F}	η_{9A}	η_{9B}	η_{9C}	η_{9D}	η_{9E}	η_{9F}
(h h 0)				(h 2 \bar{h} 0)	(\bar{h} 2 h 0)	
η_{12G}	η_{9A}	η_{9B}	η_{9C}	η_{9D}	η_{9E}	η_{9F}
(h h 0)			(h 2 \bar{h} 0)	(\bar{h} 2 h 0)		
η_{12H}	η_{9A}	η_{9B}	η_{9C}	η_{9D}	η_{9E}	η_{9F}
(h h 0)			(\bar{h} 2 h 0)	(h 2 \bar{h} 0)		
η_{12I}	η_{9A}	η_{9B}	η_{9C}	η_{9D}	η_{9E}	η_{9F}
(h h 0)	(h 2 h 0)	(\bar{h} 2 h 0)				
η_{12J}	η_{9A}	η_{9B}	η_{9C}	η_{9D}	η_{9E}	η_{9F}
(h h 0)	(h 2 \bar{h} 0)	(\bar{h} 2 h 0)				
η_{12K}	η_{9A}	η_{9B}	η_{9C}	η_{9D}	η_{9E}	η_{9F}
(h h 0)				(h 2 \bar{h} 0)	(\bar{h} 2 h 0)	
η_{12L}	η_{9A}	η_{9B}	η_{9C}	η_{9D}	η_{9E}	η_{9F}
(h h 0)				(\bar{h} 2 h 0)	(h 2 \bar{h} 0)	

$\{0\ 0\ \bar{1}\}$

$\{0\ 0\ \bar{1}\}$ 6-fold overlap					
$(0\ 0\ \bar{1})_{\eta_{11A}}$	$(0\ 0\ \bar{1})_{\eta_{14A}}$	$(0\ 0\ \bar{1})_{\eta_{48A}}$	$(0\ 0\ \bar{1})_{\eta_{98A}}$	$(0\ 0\ \bar{1})_{\eta_{118A}}$	$(0\ 0\ \bar{1})_{\eta_{118B}}$
$(0\ 0\ \bar{1})_{\eta_{11B}}$	$(0\ 0\ \bar{1})_{\eta_{48B}}$	$(0\ 0\ \bar{1})_{\eta_{98B}}$	$(0\ 0\ \bar{1})_{\eta_{99B}}$	$(0\ 0\ \bar{1})_{\eta_{118C}}$	$(0\ 0\ \bar{1})_{\eta_{118D}}$
$(0\ 0\ \bar{1})_{\eta_{11C}}$	$(0\ 0\ \bar{1})_{\eta_{48C}}$	$(0\ 0\ \bar{1})_{\eta_{98C}}$	$(0\ 0\ \bar{1})_{\eta_{99C}}$	$(0\ 0\ \bar{1})_{\eta_{118E}}$	$(0\ 0\ \bar{1})_{\eta_{118F}}$
$(0\ 0\ \bar{1})_{\eta_{11D}}$	$(0\ 0\ \bar{1})_{\eta_{48D}}$	$(0\ 0\ \bar{1})_{\eta_{98D}}$	$(0\ 0\ \bar{1})_{\eta_{99D}}$	$(0\ 0\ \bar{1})_{\eta_{118G}}$	$(0\ 0\ \bar{1})_{\eta_{118H}}$
$(0\ 0\ \bar{1})_{\eta_{11E}}$	$(0\ 0\ \bar{1})_{\eta_{48E}}$	$(0\ 0\ \bar{1})_{\eta_{98E}}$	$(0\ 0\ \bar{1})_{\eta_{99E}}$	$(0\ 0\ \bar{1})_{\eta_{118I}}$	$(0\ 0\ \bar{1})_{\eta_{118J}}$
$(0\ 0\ \bar{1})_{\eta_{11F}}$	$(0\ 0\ \bar{1})_{\eta_{48F}}$	$(0\ 0\ \bar{1})_{\eta_{98F}}$	$(0\ 0\ \bar{1})_{\eta_{99F}}$	$(0\ 0\ \bar{1})_{\eta_{118K}}$	$(0\ 0\ \bar{1})_{\eta_{118L}}$

$\{0\ 0\ \bar{1}\}$ 4-fold overlap			
$(0\ 0\ \bar{1})_{\eta_{2A}}$	$(0\ 0\ \bar{1})_{\eta_{3A}}$	$(0\ 0\ \bar{1})_{\eta_{10A}}$	$(0\ 0\ \bar{1})_{\eta_{10B}}$
$(0\ 0\ \bar{1})_{\eta_{2B}}$	$(0\ 0\ \bar{1})_{\eta_{3B}}$	$(0\ 0\ \bar{1})_{\eta_{10C}}$	$(0\ 0\ \bar{1})_{\eta_{10D}}$
$(0\ 0\ \bar{1})_{\eta_{2C}}$	$(0\ 0\ \bar{1})_{\eta_{3C}}$	$(0\ 0\ \bar{1})_{\eta_{10E}}$	$(0\ 0\ \bar{1})_{\eta_{10F}}$
$(0\ 0\ \bar{1})_{\eta_{2D}}$	$(0\ 0\ \bar{1})_{\eta_{3D}}$	$(0\ 0\ \bar{1})_{\eta_{10G}}$	$(0\ 0\ \bar{1})_{\eta_{10H}}$

 $\{h\ 0\ 0\}$

$\{h\ 0\ 0\}$ 3-fold overlap		
$(h\ 0\ 0)_{\eta_{2A}}$	$(h\ 0\ 0)_{\eta_{2C}}$	$(h\ 0\ 0)_{\eta_{98}}$
$(h\ 0\ 0)_{\eta_{2B}}$	$(h\ 0\ 0)_{\eta_{2D}}$	$(h\ 0\ 0)_{\eta_{99A}}$
$(h\ 0\ 0)_{\eta_{2C}}$	$(h\ 0\ 0)_{\eta_{2B}}$	$(h\ 0\ 0)_{\eta_{99E}}$
$(h\ 0\ 0)_{\eta_{2D}}$	$(h\ 0\ 0)_{\eta_{2A}}$	$(h\ 0\ 0)_{\eta_{99F}}$
$(h\ 0\ 0)_{\eta_{2A}}$	$(h\ 0\ 0)_{\eta_{2B}}$	$(h\ 0\ 0)_{\eta_{99C}}$
$(h\ 0\ 0)_{\eta_{2C}}$	$(h\ 0\ 0)_{\eta_{2D}}$	$(h\ 0\ 0)_{\eta_{99D}}$
$(h\ 0\ 0)_{\eta_{11A}}$	$(h\ 0\ 0)_{\eta_{11G}}$	$(h\ 0\ 0)_{\eta_{11L}}$
$(h\ 0\ 0)_{\eta_{11B}}$	$(h\ 0\ 0)_{\eta_{11E}}$	$(h\ 0\ 0)_{\eta_{11K}}$
$(h\ 0\ 0)_{\eta_{11C}}$	$(h\ 0\ 0)_{\eta_{11F}}$	$(h\ 0\ 0)_{\eta_{11I}}$
$(h\ 0\ 0)_{\eta_{11D}}$	$(h\ 0\ 0)_{\eta_{11H}}$	$(h\ 0\ 0)_{\eta_{11J}}$