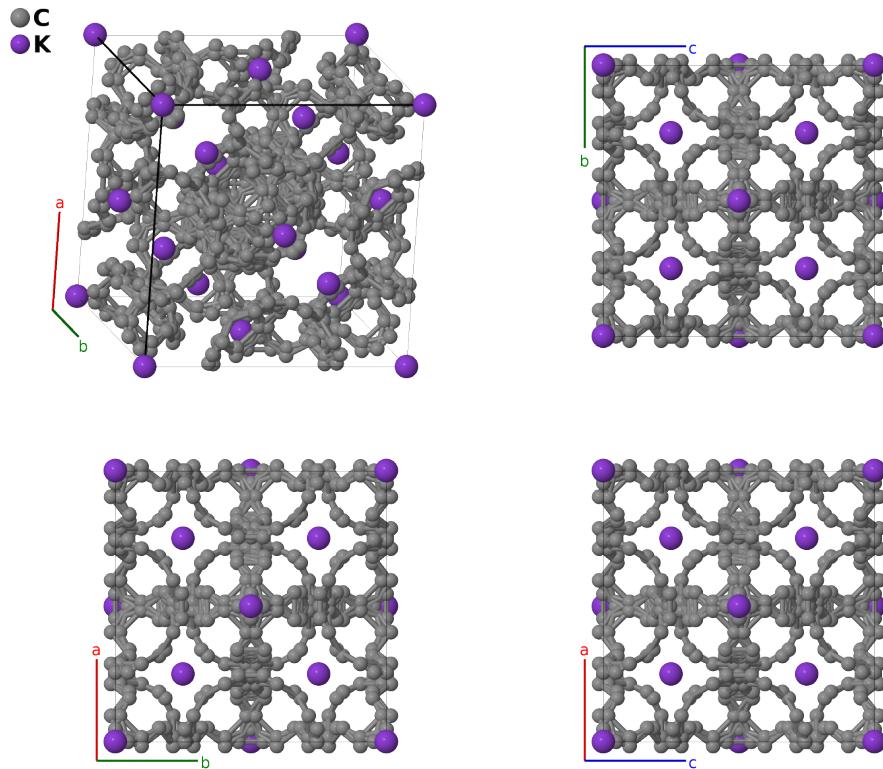


fcc Fullerene (K_3C_{60}) Structure: A40B_cF492_225_j2l_ac-001

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<https://aflow.org/p/54ZJ>

https://aflow.org/p/A40B_cF492_225_j2l_ac-001



Prototype	C_{60}K_3
AFLOW prototype label	A40B_cF492_225_j2l_ac-001
ICSD	66728
Pearson symbol	cF492
Space group number	225
Space group symbol	$Fm\bar{3}m$
AFLOW prototype command	<code>aflow --proto=A40B_cF492_225_j2l_ac-001 --params=a,y3,z3,x4,y4,z4,x5,y5,z5</code>

Other compounds with this structure

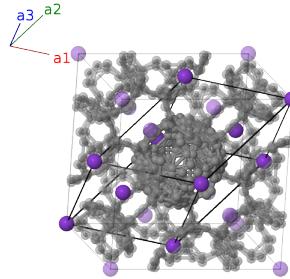
Cs_3C_{60} , $\text{CsK}_2\text{C}_{60}$, $\text{CsNa}_2\text{C}_{60}$, $\text{CsRb}_2\text{C}_{60}$, $\text{KNa}_2\text{C}_{60}$, Rb_3C_{60} , $\text{RbCs}_2\text{C}_{60}$, $\text{RbNa}_2\text{C}_{60}$

- All of the carbon sites are occupied only 50% of the time.

- (Stephens, 1991) put the K-I atom on the (4b) Wyckoff position, $(1/2, 1/2, 1/2)$. We shifted this so that the atom is at the origin, the (4a) Wyckoff site.

Face-centered Cubic primitive vectors

$$\begin{aligned}\mathbf{a}_1 &= \frac{1}{2}a\hat{\mathbf{y}} + \frac{1}{2}a\hat{\mathbf{z}} \\ \mathbf{a}_2 &= \frac{1}{2}a\hat{\mathbf{x}} + \frac{1}{2}a\hat{\mathbf{z}} \\ \mathbf{a}_3 &= \frac{1}{2}a\hat{\mathbf{x}} + \frac{1}{2}a\hat{\mathbf{y}}\end{aligned}$$



Basis vectors

	Lattice coordinates	Cartesian coordinates	Wyckoff position	Atom type
\mathbf{B}_1	= 0	= 0	(4a)	K I
\mathbf{B}_2	= $\frac{1}{4}\mathbf{a}_1 + \frac{1}{4}\mathbf{a}_2 + \frac{1}{4}\mathbf{a}_3$	= $\frac{1}{4}a\hat{\mathbf{x}} + \frac{1}{4}a\hat{\mathbf{y}} + \frac{1}{4}a\hat{\mathbf{z}}$	(8c)	K II
\mathbf{B}_3	= $\frac{3}{4}\mathbf{a}_1 + \frac{3}{4}\mathbf{a}_2 + \frac{3}{4}\mathbf{a}_3$	= $\frac{3}{4}a\hat{\mathbf{x}} + \frac{3}{4}a\hat{\mathbf{y}} + \frac{3}{4}a\hat{\mathbf{z}}$	(8c)	K II
\mathbf{B}_4	= $(y_3 + z_3)\mathbf{a}_1 - (y_3 - z_3)\mathbf{a}_2 + (y_3 - z_3)\mathbf{a}_3$	= $ay_3\hat{\mathbf{y}} + az_3\hat{\mathbf{z}}$	(96j)	C I
\mathbf{B}_5	= $-(y_3 - z_3)\mathbf{a}_1 + (y_3 + z_3)\mathbf{a}_2 - (y_3 + z_3)\mathbf{a}_3$	= $-ay_3\hat{\mathbf{y}} + az_3\hat{\mathbf{z}}$	(96j)	C I
\mathbf{B}_6	= $(y_3 - z_3)\mathbf{a}_1 - (y_3 + z_3)\mathbf{a}_2 + (y_3 + z_3)\mathbf{a}_3$	= $ay_3\hat{\mathbf{y}} - az_3\hat{\mathbf{z}}$	(96j)	C I
\mathbf{B}_7	= $-(y_3 + z_3)\mathbf{a}_1 + (y_3 - z_3)\mathbf{a}_2 - (y_3 - z_3)\mathbf{a}_3$	= $-ay_3\hat{\mathbf{y}} - az_3\hat{\mathbf{z}}$	(96j)	C I
\mathbf{B}_8	= $(y_3 - z_3)\mathbf{a}_1 + (y_3 + z_3)\mathbf{a}_2 - (y_3 - z_3)\mathbf{a}_3$	= $az_3\hat{\mathbf{x}} + ay_3\hat{\mathbf{z}}$	(96j)	C I
\mathbf{B}_9	= $-(y_3 + z_3)\mathbf{a}_1 - (y_3 - z_3)\mathbf{a}_2 + (y_3 + z_3)\mathbf{a}_3$	= $az_3\hat{\mathbf{x}} - ay_3\hat{\mathbf{z}}$	(96j)	C I
\mathbf{B}_{10}	= $(y_3 + z_3)\mathbf{a}_1 + (y_3 - z_3)\mathbf{a}_2 - (y_3 + z_3)\mathbf{a}_3$	= $-az_3\hat{\mathbf{x}} + ay_3\hat{\mathbf{z}}$	(96j)	C I
\mathbf{B}_{11}	= $-(y_3 - z_3)\mathbf{a}_1 - (y_3 + z_3)\mathbf{a}_2 + (y_3 - z_3)\mathbf{a}_3$	= $-az_3\hat{\mathbf{x}} - ay_3\hat{\mathbf{z}}$	(96j)	C I
\mathbf{B}_{12}	= $-(y_3 - z_3)\mathbf{a}_1 + (y_3 - z_3)\mathbf{a}_2 + (y_3 + z_3)\mathbf{a}_3$	= $ay_3\hat{\mathbf{x}} + az_3\hat{\mathbf{y}}$	(96j)	C I
\mathbf{B}_{13}	= $(y_3 + z_3)\mathbf{a}_1 - (y_3 + z_3)\mathbf{a}_2 - (y_3 - z_3)\mathbf{a}_3$	= $-ay_3\hat{\mathbf{x}} + az_3\hat{\mathbf{y}}$	(96j)	C I
\mathbf{B}_{14}	= $-(y_3 + z_3)\mathbf{a}_1 + (y_3 + z_3)\mathbf{a}_2 + (y_3 - z_3)\mathbf{a}_3$	= $ay_3\hat{\mathbf{x}} - az_3\hat{\mathbf{y}}$	(96j)	C I
\mathbf{B}_{15}	= $(y_3 - z_3)\mathbf{a}_1 - (y_3 - z_3)\mathbf{a}_2 - (y_3 + z_3)\mathbf{a}_3$	= $-ay_3\hat{\mathbf{x}} - az_3\hat{\mathbf{y}}$	(96j)	C I
\mathbf{B}_{16}	= $-(y_3 + z_3)\mathbf{a}_1 + (y_3 - z_3)\mathbf{a}_2 + (y_3 + z_3)\mathbf{a}_3$	= $ay_3\hat{\mathbf{x}} - az_3\hat{\mathbf{z}}$	(96j)	C I

B₁₇	$(y_3 - z_3) \mathbf{a}_1 - (y_3 + z_3) \mathbf{a}_2 -$ $(y_3 - z_3) \mathbf{a}_3$	=	$-ay_3 \hat{\mathbf{x}} - az_3 \hat{\mathbf{z}}$	(96j)	C I
B₁₈	$-(y_3 - z_3) \mathbf{a}_1 + (y_3 + z_3) \mathbf{a}_2 +$ $(y_3 - z_3) \mathbf{a}_3$	=	$ay_3 \hat{\mathbf{x}} + az_3 \hat{\mathbf{z}}$	(96j)	C I
B₁₉	$(y_3 + z_3) \mathbf{a}_1 - (y_3 - z_3) \mathbf{a}_2 -$ $(y_3 + z_3) \mathbf{a}_3$	=	$-ay_3 \hat{\mathbf{x}} + az_3 \hat{\mathbf{z}}$	(96j)	C I
B₂₀	$-(y_3 - z_3) \mathbf{a}_1 - (y_3 + z_3) \mathbf{a}_2 +$ $(y_3 + z_3) \mathbf{a}_3$	=	$az_3 \hat{\mathbf{y}} - ay_3 \hat{\mathbf{z}}$	(96j)	C I
B₂₁	$(y_3 + z_3) \mathbf{a}_1 + (y_3 - z_3) \mathbf{a}_2 -$ $(y_3 - z_3) \mathbf{a}_3$	=	$az_3 \hat{\mathbf{y}} + ay_3 \hat{\mathbf{z}}$	(96j)	C I
B₂₂	$-(y_3 + z_3) \mathbf{a}_1 - (y_3 - z_3) \mathbf{a}_2 +$ $(y_3 - z_3) \mathbf{a}_3$	=	$-az_3 \hat{\mathbf{y}} - ay_3 \hat{\mathbf{z}}$	(96j)	C I
B₂₃	$(y_3 - z_3) \mathbf{a}_1 + (y_3 + z_3) \mathbf{a}_2 -$ $(y_3 + z_3) \mathbf{a}_3$	=	$-az_3 \hat{\mathbf{y}} + ay_3 \hat{\mathbf{z}}$	(96j)	C I
B₂₄	$(y_3 - z_3) \mathbf{a}_1 - (y_3 - z_3) \mathbf{a}_2 +$ $(y_3 + z_3) \mathbf{a}_3$	=	$az_3 \hat{\mathbf{x}} + ay_3 \hat{\mathbf{y}}$	(96j)	C I
B₂₅	$-(y_3 + z_3) \mathbf{a}_1 + (y_3 + z_3) \mathbf{a}_2 -$ $(y_3 - z_3) \mathbf{a}_3$	=	$az_3 \hat{\mathbf{x}} - ay_3 \hat{\mathbf{y}}$	(96j)	C I
B₂₆	$(y_3 + z_3) \mathbf{a}_1 - (y_3 + z_3) \mathbf{a}_2 +$ $(y_3 - z_3) \mathbf{a}_3$	=	$-az_3 \hat{\mathbf{x}} + ay_3 \hat{\mathbf{y}}$	(96j)	C I
B₂₇	$-(y_3 - z_3) \mathbf{a}_1 + (y_3 - z_3) \mathbf{a}_2 -$ $(y_3 + z_3) \mathbf{a}_3$	=	$-az_3 \hat{\mathbf{x}} - ay_3 \hat{\mathbf{y}}$	(96j)	C I
B₂₈	$(-x_4 + y_4 + z_4) \mathbf{a}_1 +$ $(x_4 - y_4 + z_4) \mathbf{a}_2 +$ $(x_4 + y_4 - z_4) \mathbf{a}_3$	=	$ax_4 \hat{\mathbf{x}} + ay_4 \hat{\mathbf{y}} + az_4 \hat{\mathbf{z}}$	(192l)	C II
B₂₉	$(x_4 - y_4 + z_4) \mathbf{a}_1 +$ $(-x_4 + y_4 + z_4) \mathbf{a}_2 -$ $(x_4 + y_4 + z_4) \mathbf{a}_3$	=	$-ax_4 \hat{\mathbf{x}} - ay_4 \hat{\mathbf{y}} + az_4 \hat{\mathbf{z}}$	(192l)	C II
B₃₀	$(x_4 + y_4 - z_4) \mathbf{a}_1 -$ $(x_4 + y_4 + z_4) \mathbf{a}_2 +$ $(-x_4 + y_4 + z_4) \mathbf{a}_3$	=	$-ax_4 \hat{\mathbf{x}} + ay_4 \hat{\mathbf{y}} - az_4 \hat{\mathbf{z}}$	(192l)	C II
B₃₁	$-(x_4 + y_4 + z_4) \mathbf{a}_1 +$ $(x_4 + y_4 - z_4) \mathbf{a}_2 +$ $(x_4 - y_4 + z_4) \mathbf{a}_3$	=	$ax_4 \hat{\mathbf{x}} - ay_4 \hat{\mathbf{y}} - az_4 \hat{\mathbf{z}}$	(192l)	C II
B₃₂	$(x_4 + y_4 - z_4) \mathbf{a}_1 +$ $(-x_4 + y_4 + z_4) \mathbf{a}_2 +$ $(x_4 - y_4 + z_4) \mathbf{a}_3$	=	$az_4 \hat{\mathbf{x}} + ax_4 \hat{\mathbf{y}} + ay_4 \hat{\mathbf{z}}$	(192l)	C II
B₃₃	$-(x_4 + y_4 + z_4) \mathbf{a}_1 +$ $(x_4 - y_4 + z_4) \mathbf{a}_2 +$ $(-x_4 + y_4 + z_4) \mathbf{a}_3$	=	$az_4 \hat{\mathbf{x}} - ax_4 \hat{\mathbf{y}} - ay_4 \hat{\mathbf{z}}$	(192l)	C II
B₃₄	$(-x_4 + y_4 + z_4) \mathbf{a}_1 +$ $(x_4 + y_4 - z_4) \mathbf{a}_2 -$ $(x_4 + y_4 + z_4) \mathbf{a}_3$	=	$-az_4 \hat{\mathbf{x}} - ax_4 \hat{\mathbf{y}} + ay_4 \hat{\mathbf{z}}$	(192l)	C II
B₃₅	$(x_4 - y_4 + z_4) \mathbf{a}_1 -$ $(x_4 + y_4 + z_4) \mathbf{a}_2 +$ $(x_4 + y_4 - z_4) \mathbf{a}_3$	=	$-az_4 \hat{\mathbf{x}} + ax_4 \hat{\mathbf{y}} - ay_4 \hat{\mathbf{z}}$	(192l)	C II
B₃₆	$(x_4 - y_4 + z_4) \mathbf{a}_1 +$ $(x_4 + y_4 - z_4) \mathbf{a}_2 +$ $(-x_4 + y_4 + z_4) \mathbf{a}_3$	=	$ay_4 \hat{\mathbf{x}} + az_4 \hat{\mathbf{y}} + ax_4 \hat{\mathbf{z}}$	(192l)	C II

\mathbf{B}_{37}	$=$	$(-x_4 + y_4 + z_4) \mathbf{a}_1 - (x_4 + y_4 + z_4) \mathbf{a}_2 + (x_4 - y_4 + z_4) \mathbf{a}_3$	$=$	$-ay_4 \hat{\mathbf{x}} + az_4 \hat{\mathbf{y}} - ax_4 \hat{\mathbf{z}}$	(192l)	C II
\mathbf{B}_{38}	$=$	$-(x_4 + y_4 + z_4) \mathbf{a}_1 + (-x_4 + y_4 + z_4) \mathbf{a}_2 + (x_4 + y_4 - z_4) \mathbf{a}_3$	$=$	$ay_4 \hat{\mathbf{x}} - az_4 \hat{\mathbf{y}} - ax_4 \hat{\mathbf{z}}$	(192l)	C II
\mathbf{B}_{39}	$=$	$(x_4 + y_4 - z_4) \mathbf{a}_1 + (x_4 - y_4 + z_4) \mathbf{a}_2 - (x_4 + y_4 + z_4) \mathbf{a}_3$	$=$	$-ay_4 \hat{\mathbf{x}} - az_4 \hat{\mathbf{y}} + ax_4 \hat{\mathbf{z}}$	(192l)	C II
\mathbf{B}_{40}	$=$	$(x_4 - y_4 - z_4) \mathbf{a}_1 - (x_4 - y_4 + z_4) \mathbf{a}_2 + (x_4 + y_4 + z_4) \mathbf{a}_3$	$=$	$ay_4 \hat{\mathbf{x}} + ax_4 \hat{\mathbf{y}} - az_4 \hat{\mathbf{z}}$	(192l)	C II
\mathbf{B}_{41}	$=$	$-(x_4 - y_4 + z_4) \mathbf{a}_1 + (x_4 - y_4 - z_4) \mathbf{a}_2 - (x_4 + y_4 - z_4) \mathbf{a}_3$	$=$	$-ay_4 \hat{\mathbf{x}} - ax_4 \hat{\mathbf{y}} - az_4 \hat{\mathbf{z}}$	(192l)	C II
\mathbf{B}_{42}	$=$	$-(x_4 + y_4 - z_4) \mathbf{a}_1 + (x_4 + y_4 + z_4) \mathbf{a}_2 - (x_4 - y_4 + z_4) \mathbf{a}_3$	$=$	$ay_4 \hat{\mathbf{x}} - ax_4 \hat{\mathbf{y}} + az_4 \hat{\mathbf{z}}$	(192l)	C II
\mathbf{B}_{43}	$=$	$(x_4 + y_4 + z_4) \mathbf{a}_1 - (x_4 + y_4 - z_4) \mathbf{a}_2 + (x_4 - y_4 - z_4) \mathbf{a}_3$	$=$	$-ay_4 \hat{\mathbf{x}} + ax_4 \hat{\mathbf{y}} + az_4 \hat{\mathbf{z}}$	(192l)	C II
\mathbf{B}_{44}	$=$	$-(x_4 + y_4 - z_4) \mathbf{a}_1 + (x_4 - y_4 - z_4) \mathbf{a}_2 + (x_4 + y_4 + z_4) \mathbf{a}_3$	$=$	$ax_4 \hat{\mathbf{x}} + az_4 \hat{\mathbf{y}} - ay_4 \hat{\mathbf{z}}$	(192l)	C II
\mathbf{B}_{45}	$=$	$(x_4 + y_4 + z_4) \mathbf{a}_1 - (x_4 - y_4 + z_4) \mathbf{a}_2 - (x_4 + y_4 - z_4) \mathbf{a}_3$	$=$	$-ax_4 \hat{\mathbf{x}} + az_4 \hat{\mathbf{y}} + ay_4 \hat{\mathbf{z}}$	(192l)	C II
\mathbf{B}_{46}	$=$	$(x_4 - y_4 - z_4) \mathbf{a}_1 - (x_4 + y_4 - z_4) \mathbf{a}_2 - (x_4 - y_4 + z_4) \mathbf{a}_3$	$=$	$-ax_4 \hat{\mathbf{x}} - az_4 \hat{\mathbf{y}} - ay_4 \hat{\mathbf{z}}$	(192l)	C II
\mathbf{B}_{47}	$=$	$-(x_4 - y_4 + z_4) \mathbf{a}_1 + (x_4 + y_4 + z_4) \mathbf{a}_2 + (x_4 - y_4 - z_4) \mathbf{a}_3$	$=$	$ax_4 \hat{\mathbf{x}} - az_4 \hat{\mathbf{y}} + ay_4 \hat{\mathbf{z}}$	(192l)	C II
\mathbf{B}_{48}	$=$	$-(x_4 - y_4 + z_4) \mathbf{a}_1 - (x_4 + y_4 - z_4) \mathbf{a}_2 + (x_4 + y_4 + z_4) \mathbf{a}_3$	$=$	$az_4 \hat{\mathbf{x}} + ay_4 \hat{\mathbf{y}} - ax_4 \hat{\mathbf{z}}$	(192l)	C II
\mathbf{B}_{49}	$=$	$(x_4 - y_4 - z_4) \mathbf{a}_1 + (x_4 + y_4 + z_4) \mathbf{a}_2 - (x_4 + y_4 - z_4) \mathbf{a}_3$	$=$	$az_4 \hat{\mathbf{x}} - ay_4 \hat{\mathbf{y}} + ax_4 \hat{\mathbf{z}}$	(192l)	C II
\mathbf{B}_{50}	$=$	$(x_4 + y_4 + z_4) \mathbf{a}_1 + (x_4 - y_4 - z_4) \mathbf{a}_2 - (x_4 - y_4 + z_4) \mathbf{a}_3$	$=$	$-az_4 \hat{\mathbf{x}} + ay_4 \hat{\mathbf{y}} + ax_4 \hat{\mathbf{z}}$	(192l)	C II
\mathbf{B}_{51}	$=$	$-(x_4 + y_4 - z_4) \mathbf{a}_1 - (x_4 - y_4 + z_4) \mathbf{a}_2 + (x_4 - y_4 - z_4) \mathbf{a}_3$	$=$	$-az_4 \hat{\mathbf{x}} - ay_4 \hat{\mathbf{y}} - ax_4 \hat{\mathbf{z}}$	(192l)	C II
\mathbf{B}_{52}	$=$	$(x_4 - y_4 - z_4) \mathbf{a}_1 - (x_4 - y_4 + z_4) \mathbf{a}_2 - (x_4 + y_4 - z_4) \mathbf{a}_3$	$=$	$-ax_4 \hat{\mathbf{x}} - ay_4 \hat{\mathbf{y}} - az_4 \hat{\mathbf{z}}$	(192l)	C II
\mathbf{B}_{53}	$=$	$-(x_4 - y_4 + z_4) \mathbf{a}_1 + (x_4 - y_4 - z_4) \mathbf{a}_2 + (x_4 + y_4 + z_4) \mathbf{a}_3$	$=$	$ax_4 \hat{\mathbf{x}} + ay_4 \hat{\mathbf{y}} - az_4 \hat{\mathbf{z}}$	(192l)	C II

$\mathbf{B}_{54} =$	$-(x_4 + y_4 - z_4) \mathbf{a}_1 +$ $(x_4 + y_4 + z_4) \mathbf{a}_2 +$ $(x_4 - y_4 - z_4) \mathbf{a}_3$	$=$	$ax_4 \hat{\mathbf{x}} - ay_4 \hat{\mathbf{y}} + az_4 \hat{\mathbf{z}}$	(192l)	C II
$\mathbf{B}_{55} =$	$(x_4 + y_4 + z_4) \mathbf{a}_1 -$ $(x_4 + y_4 - z_4) \mathbf{a}_2 -$ $(x_4 - y_4 + z_4) \mathbf{a}_3$	$=$	$-ax_4 \hat{\mathbf{x}} + ay_4 \hat{\mathbf{y}} + az_4 \hat{\mathbf{z}}$	(192l)	C II
$\mathbf{B}_{56} =$	$-(x_4 + y_4 - z_4) \mathbf{a}_1 +$ $(x_4 - y_4 - z_4) \mathbf{a}_2 -$ $(x_4 - y_4 + z_4) \mathbf{a}_3$	$=$	$-az_4 \hat{\mathbf{x}} - ax_4 \hat{\mathbf{y}} - ay_4 \hat{\mathbf{z}}$	(192l)	C II
$\mathbf{B}_{57} =$	$(x_4 + y_4 + z_4) \mathbf{a}_1 -$ $(x_4 - y_4 + z_4) \mathbf{a}_2 +$ $(x_4 - y_4 - z_4) \mathbf{a}_3$	$=$	$-az_4 \hat{\mathbf{x}} + ax_4 \hat{\mathbf{y}} + ay_4 \hat{\mathbf{z}}$	(192l)	C II
$\mathbf{B}_{58} =$	$(x_4 - y_4 - z_4) \mathbf{a}_1 -$ $(x_4 + y_4 - z_4) \mathbf{a}_2 +$ $(x_4 + y_4 + z_4) \mathbf{a}_3$	$=$	$az_4 \hat{\mathbf{x}} + ax_4 \hat{\mathbf{y}} - ay_4 \hat{\mathbf{z}}$	(192l)	C II
$\mathbf{B}_{59} =$	$-(x_4 - y_4 + z_4) \mathbf{a}_1 +$ $(x_4 + y_4 + z_4) \mathbf{a}_2 -$ $(x_4 + y_4 - z_4) \mathbf{a}_3$	$=$	$az_4 \hat{\mathbf{x}} - ax_4 \hat{\mathbf{y}} + ay_4 \hat{\mathbf{z}}$	(192l)	C II
$\mathbf{B}_{60} =$	$-(x_4 - y_4 + z_4) \mathbf{a}_1 -$ $(x_4 + y_4 - z_4) \mathbf{a}_2 +$ $(x_4 - y_4 - z_4) \mathbf{a}_3$	$=$	$-ay_4 \hat{\mathbf{x}} - az_4 \hat{\mathbf{y}} - ax_4 \hat{\mathbf{z}}$	(192l)	C II
$\mathbf{B}_{61} =$	$(x_4 - y_4 - z_4) \mathbf{a}_1 +$ $(x_4 + y_4 + z_4) \mathbf{a}_2 -$ $(x_4 - y_4 + z_4) \mathbf{a}_3$	$=$	$ay_4 \hat{\mathbf{x}} - az_4 \hat{\mathbf{y}} + ax_4 \hat{\mathbf{z}}$	(192l)	C II
$\mathbf{B}_{62} =$	$(x_4 + y_4 + z_4) \mathbf{a}_1 +$ $(x_4 - y_4 - z_4) \mathbf{a}_2 -$ $(x_4 + y_4 - z_4) \mathbf{a}_3$	$=$	$-ay_4 \hat{\mathbf{x}} + az_4 \hat{\mathbf{y}} + ax_4 \hat{\mathbf{z}}$	(192l)	C II
$\mathbf{B}_{63} =$	$-(x_4 + y_4 - z_4) \mathbf{a}_1 -$ $(x_4 - y_4 + z_4) \mathbf{a}_2 +$ $(x_4 + y_4 + z_4) \mathbf{a}_3$	$=$	$ay_4 \hat{\mathbf{x}} + az_4 \hat{\mathbf{y}} - ax_4 \hat{\mathbf{z}}$	(192l)	C II
$\mathbf{B}_{64} =$	$(-x_4 + y_4 + z_4) \mathbf{a}_1 +$ $(x_4 - y_4 + z_4) \mathbf{a}_2 -$ $(x_4 + y_4 + z_4) \mathbf{a}_3$	$=$	$-ay_4 \hat{\mathbf{x}} - ax_4 \hat{\mathbf{y}} + az_4 \hat{\mathbf{z}}$	(192l)	C II
$\mathbf{B}_{65} =$	$(x_4 - y_4 + z_4) \mathbf{a}_1 +$ $(-x_4 + y_4 + z_4) \mathbf{a}_2 +$ $(x_4 + y_4 - z_4) \mathbf{a}_3$	$=$	$ay_4 \hat{\mathbf{x}} + ax_4 \hat{\mathbf{y}} + az_4 \hat{\mathbf{z}}$	(192l)	C II
$\mathbf{B}_{66} =$	$(x_4 + y_4 - z_4) \mathbf{a}_1 -$ $(x_4 + y_4 + z_4) \mathbf{a}_2 +$ $(x_4 - y_4 + z_4) \mathbf{a}_3$	$=$	$-ay_4 \hat{\mathbf{x}} + ax_4 \hat{\mathbf{y}} - az_4 \hat{\mathbf{z}}$	(192l)	C II
$\mathbf{B}_{67} =$	$-(x_4 + y_4 + z_4) \mathbf{a}_1 +$ $(x_4 + y_4 - z_4) \mathbf{a}_2 +$ $(-x_4 + y_4 + z_4) \mathbf{a}_3$	$=$	$ay_4 \hat{\mathbf{x}} - ax_4 \hat{\mathbf{y}} - az_4 \hat{\mathbf{z}}$	(192l)	C II
$\mathbf{B}_{68} =$	$(x_4 + y_4 - z_4) \mathbf{a}_1 +$ $(-x_4 + y_4 + z_4) \mathbf{a}_2 -$ $(x_4 + y_4 + z_4) \mathbf{a}_3$	$=$	$-ax_4 \hat{\mathbf{x}} - az_4 \hat{\mathbf{y}} + ay_4 \hat{\mathbf{z}}$	(192l)	C II
$\mathbf{B}_{69} =$	$-(x_4 + y_4 + z_4) \mathbf{a}_1 +$ $(x_4 - y_4 + z_4) \mathbf{a}_2 +$ $(x_4 + y_4 - z_4) \mathbf{a}_3$	$=$	$ax_4 \hat{\mathbf{x}} - az_4 \hat{\mathbf{y}} - ay_4 \hat{\mathbf{z}}$	(192l)	C II
$\mathbf{B}_{70} =$	$(-x_4 + y_4 + z_4) \mathbf{a}_1 +$ $(x_4 + y_4 - z_4) \mathbf{a}_2 +$ $(x_4 - y_4 + z_4) \mathbf{a}_3$	$=$	$ax_4 \hat{\mathbf{x}} + az_4 \hat{\mathbf{y}} + ay_4 \hat{\mathbf{z}}$	(192l)	C II

$\mathbf{B}_{71} =$	$(x_4 - y_4 + z_4) \mathbf{a}_1 -$ $(x_4 + y_4 + z_4) \mathbf{a}_2 +$ $(-x_4 + y_4 + z_4) \mathbf{a}_3$	$=$	$-ax_4 \hat{\mathbf{x}} + az_4 \hat{\mathbf{y}} - ay_4 \hat{\mathbf{z}}$	(192l)	C II
$\mathbf{B}_{72} =$	$(x_4 - y_4 + z_4) \mathbf{a}_1 +$ $(x_4 + y_4 - z_4) \mathbf{a}_2 -$ $(x_4 + y_4 + z_4) \mathbf{a}_3$	$=$	$-az_4 \hat{\mathbf{x}} - ay_4 \hat{\mathbf{y}} + ax_4 \hat{\mathbf{z}}$	(192l)	C II
$\mathbf{B}_{73} =$	$(-x_4 + y_4 + z_4) \mathbf{a}_1 -$ $(x_4 + y_4 + z_4) \mathbf{a}_2 +$ $(x_4 + y_4 - z_4) \mathbf{a}_3$	$=$	$-az_4 \hat{\mathbf{x}} + ay_4 \hat{\mathbf{y}} - ax_4 \hat{\mathbf{z}}$	(192l)	C II
$\mathbf{B}_{74} =$	$-(x_4 + y_4 + z_4) \mathbf{a}_1 +$ $(-x_4 + y_4 + z_4) \mathbf{a}_2 +$ $(x_4 - y_4 + z_4) \mathbf{a}_3$	$=$	$az_4 \hat{\mathbf{x}} - ay_4 \hat{\mathbf{y}} - ax_4 \hat{\mathbf{z}}$	(192l)	C II
$\mathbf{B}_{75} =$	$(x_4 + y_4 - z_4) \mathbf{a}_1 +$ $(x_4 - y_4 + z_4) \mathbf{a}_2 +$ $(-x_4 + y_4 + z_4) \mathbf{a}_3$	$=$	$az_4 \hat{\mathbf{x}} + ay_4 \hat{\mathbf{y}} + ax_4 \hat{\mathbf{z}}$	(192l)	C II
$\mathbf{B}_{76} =$	$(-x_5 + y_5 + z_5) \mathbf{a}_1 +$ $(x_5 - y_5 + z_5) \mathbf{a}_2 +$ $(x_5 + y_5 - z_5) \mathbf{a}_3$	$=$	$ax_5 \hat{\mathbf{x}} + ay_5 \hat{\mathbf{y}} + az_5 \hat{\mathbf{z}}$	(192l)	C III
$\mathbf{B}_{77} =$	$(x_5 - y_5 + z_5) \mathbf{a}_1 +$ $(-x_5 + y_5 + z_5) \mathbf{a}_2 -$ $(x_5 + y_5 + z_5) \mathbf{a}_3$	$=$	$-ax_5 \hat{\mathbf{x}} - ay_5 \hat{\mathbf{y}} + az_5 \hat{\mathbf{z}}$	(192l)	C III
$\mathbf{B}_{78} =$	$(x_5 + y_5 - z_5) \mathbf{a}_1 -$ $(x_5 + y_5 + z_5) \mathbf{a}_2 +$ $(-x_5 + y_5 + z_5) \mathbf{a}_3$	$=$	$-ax_5 \hat{\mathbf{x}} + ay_5 \hat{\mathbf{y}} - az_5 \hat{\mathbf{z}}$	(192l)	C III
$\mathbf{B}_{79} =$	$-(x_5 + y_5 + z_5) \mathbf{a}_1 +$ $(x_5 + y_5 - z_5) \mathbf{a}_2 +$ $(x_5 - y_5 + z_5) \mathbf{a}_3$	$=$	$ax_5 \hat{\mathbf{x}} - ay_5 \hat{\mathbf{y}} - az_5 \hat{\mathbf{z}}$	(192l)	C III
$\mathbf{B}_{80} =$	$(x_5 + y_5 - z_5) \mathbf{a}_1 +$ $(-x_5 + y_5 + z_5) \mathbf{a}_2 +$ $(x_5 - y_5 + z_5) \mathbf{a}_3$	$=$	$az_5 \hat{\mathbf{x}} + ax_5 \hat{\mathbf{y}} + ay_5 \hat{\mathbf{z}}$	(192l)	C III
$\mathbf{B}_{81} =$	$-(x_5 + y_5 + z_5) \mathbf{a}_1 +$ $(x_5 - y_5 + z_5) \mathbf{a}_2 +$ $(-x_5 + y_5 + z_5) \mathbf{a}_3$	$=$	$az_5 \hat{\mathbf{x}} - ax_5 \hat{\mathbf{y}} - ay_5 \hat{\mathbf{z}}$	(192l)	C III
$\mathbf{B}_{82} =$	$(-x_5 + y_5 + z_5) \mathbf{a}_1 +$ $(x_5 + y_5 - z_5) \mathbf{a}_2 -$ $(x_5 + y_5 + z_5) \mathbf{a}_3$	$=$	$-az_5 \hat{\mathbf{x}} - ax_5 \hat{\mathbf{y}} + ay_5 \hat{\mathbf{z}}$	(192l)	C III
$\mathbf{B}_{83} =$	$(x_5 - y_5 + z_5) \mathbf{a}_1 -$ $(x_5 + y_5 + z_5) \mathbf{a}_2 +$ $(x_5 + y_5 - z_5) \mathbf{a}_3$	$=$	$-az_5 \hat{\mathbf{x}} + ax_5 \hat{\mathbf{y}} - ay_5 \hat{\mathbf{z}}$	(192l)	C III
$\mathbf{B}_{84} =$	$(x_5 - y_5 + z_5) \mathbf{a}_1 +$ $(x_5 + y_5 - z_5) \mathbf{a}_2 +$ $(-x_5 + y_5 + z_5) \mathbf{a}_3$	$=$	$ay_5 \hat{\mathbf{x}} + az_5 \hat{\mathbf{y}} + ax_5 \hat{\mathbf{z}}$	(192l)	C III
$\mathbf{B}_{85} =$	$(-x_5 + y_5 + z_5) \mathbf{a}_1 -$ $(x_5 + y_5 + z_5) \mathbf{a}_2 +$ $(x_5 - y_5 + z_5) \mathbf{a}_3$	$=$	$-ay_5 \hat{\mathbf{x}} + az_5 \hat{\mathbf{y}} - ax_5 \hat{\mathbf{z}}$	(192l)	C III
$\mathbf{B}_{86} =$	$-(x_5 + y_5 + z_5) \mathbf{a}_1 +$ $(-x_5 + y_5 + z_5) \mathbf{a}_2 +$ $(x_5 + y_5 - z_5) \mathbf{a}_3$	$=$	$ay_5 \hat{\mathbf{x}} - az_5 \hat{\mathbf{y}} - ax_5 \hat{\mathbf{z}}$	(192l)	C III
$\mathbf{B}_{87} =$	$(x_5 + y_5 - z_5) \mathbf{a}_1 +$ $(x_5 - y_5 + z_5) \mathbf{a}_2 -$ $(x_5 + y_5 + z_5) \mathbf{a}_3$	$=$	$-ay_5 \hat{\mathbf{x}} - az_5 \hat{\mathbf{y}} + ax_5 \hat{\mathbf{z}}$	(192l)	C III

$\mathbf{B}_{88} =$	$(x_5 - y_5 - z_5) \mathbf{a}_1 -$ $(x_5 - y_5 + z_5) \mathbf{a}_2 +$ $(x_5 + y_5 + z_5) \mathbf{a}_3$	=	$ay_5 \hat{\mathbf{x}} + ax_5 \hat{\mathbf{y}} - az_5 \hat{\mathbf{z}}$	(192l)	C III
$\mathbf{B}_{89} =$	$-(x_5 - y_5 + z_5) \mathbf{a}_1 +$ $(x_5 - y_5 - z_5) \mathbf{a}_2 -$ $(x_5 + y_5 - z_5) \mathbf{a}_3$	=	$-ay_5 \hat{\mathbf{x}} - ax_5 \hat{\mathbf{y}} - az_5 \hat{\mathbf{z}}$	(192l)	C III
$\mathbf{B}_{90} =$	$-(x_5 + y_5 - z_5) \mathbf{a}_1 +$ $(x_5 + y_5 + z_5) \mathbf{a}_2 -$ $(x_5 - y_5 + z_5) \mathbf{a}_3$	=	$ay_5 \hat{\mathbf{x}} - ax_5 \hat{\mathbf{y}} + az_5 \hat{\mathbf{z}}$	(192l)	C III
$\mathbf{B}_{91} =$	$(x_5 + y_5 + z_5) \mathbf{a}_1 -$ $(x_5 + y_5 - z_5) \mathbf{a}_2 +$ $(x_5 - y_5 - z_5) \mathbf{a}_3$	=	$-ay_5 \hat{\mathbf{x}} + ax_5 \hat{\mathbf{y}} + az_5 \hat{\mathbf{z}}$	(192l)	C III
$\mathbf{B}_{92} =$	$-(x_5 + y_5 - z_5) \mathbf{a}_1 +$ $(x_5 - y_5 - z_5) \mathbf{a}_2 +$ $(x_5 + y_5 + z_5) \mathbf{a}_3$	=	$ax_5 \hat{\mathbf{x}} + az_5 \hat{\mathbf{y}} - ay_5 \hat{\mathbf{z}}$	(192l)	C III
$\mathbf{B}_{93} =$	$(x_5 + y_5 + z_5) \mathbf{a}_1 -$ $(x_5 - y_5 + z_5) \mathbf{a}_2 -$ $(x_5 + y_5 - z_5) \mathbf{a}_3$	=	$-ax_5 \hat{\mathbf{x}} + az_5 \hat{\mathbf{y}} + ay_5 \hat{\mathbf{z}}$	(192l)	C III
$\mathbf{B}_{94} =$	$(x_5 - y_5 - z_5) \mathbf{a}_1 -$ $(x_5 + y_5 - z_5) \mathbf{a}_2 -$ $(x_5 - y_5 + z_5) \mathbf{a}_3$	=	$-ax_5 \hat{\mathbf{x}} - az_5 \hat{\mathbf{y}} - ay_5 \hat{\mathbf{z}}$	(192l)	C III
$\mathbf{B}_{95} =$	$-(x_5 - y_5 + z_5) \mathbf{a}_1 +$ $(x_5 + y_5 + z_5) \mathbf{a}_2 +$ $(x_5 - y_5 - z_5) \mathbf{a}_3$	=	$ax_5 \hat{\mathbf{x}} - az_5 \hat{\mathbf{y}} + ay_5 \hat{\mathbf{z}}$	(192l)	C III
$\mathbf{B}_{96} =$	$-(x_5 - y_5 + z_5) \mathbf{a}_1 -$ $(x_5 + y_5 - z_5) \mathbf{a}_2 +$ $(x_5 + y_5 + z_5) \mathbf{a}_3$	=	$az_5 \hat{\mathbf{x}} + ay_5 \hat{\mathbf{y}} - ax_5 \hat{\mathbf{z}}$	(192l)	C III
$\mathbf{B}_{97} =$	$(x_5 - y_5 - z_5) \mathbf{a}_1 +$ $(x_5 + y_5 + z_5) \mathbf{a}_2 -$ $(x_5 + y_5 - z_5) \mathbf{a}_3$	=	$az_5 \hat{\mathbf{x}} - ay_5 \hat{\mathbf{y}} + ax_5 \hat{\mathbf{z}}$	(192l)	C III
$\mathbf{B}_{98} =$	$(x_5 + y_5 + z_5) \mathbf{a}_1 +$ $(x_5 - y_5 - z_5) \mathbf{a}_2 -$ $(x_5 - y_5 + z_5) \mathbf{a}_3$	=	$-az_5 \hat{\mathbf{x}} + ay_5 \hat{\mathbf{y}} + ax_5 \hat{\mathbf{z}}$	(192l)	C III
$\mathbf{B}_{99} =$	$-(x_5 + y_5 - z_5) \mathbf{a}_1 -$ $(x_5 - y_5 + z_5) \mathbf{a}_2 +$ $(x_5 - y_5 - z_5) \mathbf{a}_3$	=	$-az_5 \hat{\mathbf{x}} - ay_5 \hat{\mathbf{y}} - ax_5 \hat{\mathbf{z}}$	(192l)	C III
$\mathbf{B}_{100} =$	$(x_5 - y_5 - z_5) \mathbf{a}_1 -$ $(x_5 - y_5 + z_5) \mathbf{a}_2 -$ $(x_5 + y_5 - z_5) \mathbf{a}_3$	=	$-ax_5 \hat{\mathbf{x}} - ay_5 \hat{\mathbf{y}} - az_5 \hat{\mathbf{z}}$	(192l)	C III
$\mathbf{B}_{101} =$	$-(x_5 - y_5 + z_5) \mathbf{a}_1 +$ $(x_5 - y_5 - z_5) \mathbf{a}_2 +$ $(x_5 + y_5 + z_5) \mathbf{a}_3$	=	$ax_5 \hat{\mathbf{x}} + ay_5 \hat{\mathbf{y}} - az_5 \hat{\mathbf{z}}$	(192l)	C III
$\mathbf{B}_{102} =$	$-(x_5 + y_5 - z_5) \mathbf{a}_1 +$ $(x_5 + y_5 + z_5) \mathbf{a}_2 +$ $(x_5 - y_5 - z_5) \mathbf{a}_3$	=	$ax_5 \hat{\mathbf{x}} - ay_5 \hat{\mathbf{y}} + az_5 \hat{\mathbf{z}}$	(192l)	C III
$\mathbf{B}_{103} =$	$(x_5 + y_5 + z_5) \mathbf{a}_1 -$ $(x_5 + y_5 - z_5) \mathbf{a}_2 -$ $(x_5 - y_5 + z_5) \mathbf{a}_3$	=	$-ax_5 \hat{\mathbf{x}} + ay_5 \hat{\mathbf{y}} + az_5 \hat{\mathbf{z}}$	(192l)	C III
$\mathbf{B}_{104} =$	$-(x_5 + y_5 - z_5) \mathbf{a}_1 +$ $(x_5 - y_5 - z_5) \mathbf{a}_2 -$ $(x_5 - y_5 + z_5) \mathbf{a}_3$	=	$-az_5 \hat{\mathbf{x}} - ax_5 \hat{\mathbf{y}} - ay_5 \hat{\mathbf{z}}$	(192l)	C III

$\mathbf{B}_{105} =$	$(x_5 + y_5 + z_5) \mathbf{a}_1 -$ $(x_5 - y_5 + z_5) \mathbf{a}_2 +$ $(x_5 - y_5 - z_5) \mathbf{a}_3$	=	$-az_5 \hat{\mathbf{x}} + ax_5 \hat{\mathbf{y}} + ay_5 \hat{\mathbf{z}}$	(192l)	C III
$\mathbf{B}_{106} =$	$(x_5 - y_5 - z_5) \mathbf{a}_1 -$ $(x_5 + y_5 - z_5) \mathbf{a}_2 +$ $(x_5 + y_5 + z_5) \mathbf{a}_3$	=	$az_5 \hat{\mathbf{x}} + ax_5 \hat{\mathbf{y}} - ay_5 \hat{\mathbf{z}}$	(192l)	C III
$\mathbf{B}_{107} =$	$-(x_5 - y_5 + z_5) \mathbf{a}_1 +$ $(x_5 + y_5 + z_5) \mathbf{a}_2 -$ $(x_5 + y_5 - z_5) \mathbf{a}_3$	=	$az_5 \hat{\mathbf{x}} - ax_5 \hat{\mathbf{y}} + ay_5 \hat{\mathbf{z}}$	(192l)	C III
$\mathbf{B}_{108} =$	$-(x_5 - y_5 + z_5) \mathbf{a}_1 -$ $(x_5 + y_5 - z_5) \mathbf{a}_2 +$ $(x_5 - y_5 - z_5) \mathbf{a}_3$	=	$-ay_5 \hat{\mathbf{x}} - az_5 \hat{\mathbf{y}} - ax_5 \hat{\mathbf{z}}$	(192l)	C III
$\mathbf{B}_{109} =$	$(x_5 - y_5 - z_5) \mathbf{a}_1 +$ $(x_5 + y_5 + z_5) \mathbf{a}_2 -$ $(x_5 - y_5 + z_5) \mathbf{a}_3$	=	$ay_5 \hat{\mathbf{x}} - az_5 \hat{\mathbf{y}} + ax_5 \hat{\mathbf{z}}$	(192l)	C III
$\mathbf{B}_{110} =$	$(x_5 + y_5 + z_5) \mathbf{a}_1 +$ $(x_5 - y_5 - z_5) \mathbf{a}_2 -$ $(x_5 + y_5 - z_5) \mathbf{a}_3$	=	$-ay_5 \hat{\mathbf{x}} + az_5 \hat{\mathbf{y}} + ax_5 \hat{\mathbf{z}}$	(192l)	C III
$\mathbf{B}_{111} =$	$-(x_5 + y_5 - z_5) \mathbf{a}_1 -$ $(x_5 - y_5 + z_5) \mathbf{a}_2 +$ $(x_5 + y_5 + z_5) \mathbf{a}_3$	=	$ay_5 \hat{\mathbf{x}} + az_5 \hat{\mathbf{y}} - ax_5 \hat{\mathbf{z}}$	(192l)	C III
$\mathbf{B}_{112} =$	$(-x_5 + y_5 + z_5) \mathbf{a}_1 +$ $(x_5 - y_5 + z_5) \mathbf{a}_2 -$ $(x_5 + y_5 + z_5) \mathbf{a}_3$	=	$-ay_5 \hat{\mathbf{x}} - ax_5 \hat{\mathbf{y}} + az_5 \hat{\mathbf{z}}$	(192l)	C III
$\mathbf{B}_{113} =$	$(x_5 - y_5 + z_5) \mathbf{a}_1 +$ $(-x_5 + y_5 + z_5) \mathbf{a}_2 +$ $(x_5 + y_5 - z_5) \mathbf{a}_3$	=	$ay_5 \hat{\mathbf{x}} + ax_5 \hat{\mathbf{y}} + az_5 \hat{\mathbf{z}}$	(192l)	C III
$\mathbf{B}_{114} =$	$(x_5 + y_5 - z_5) \mathbf{a}_1 -$ $(x_5 + y_5 + z_5) \mathbf{a}_2 +$ $(x_5 - y_5 + z_5) \mathbf{a}_3$	=	$-ay_5 \hat{\mathbf{x}} + ax_5 \hat{\mathbf{y}} - az_5 \hat{\mathbf{z}}$	(192l)	C III
$\mathbf{B}_{115} =$	$-(x_5 + y_5 + z_5) \mathbf{a}_1 +$ $(x_5 + y_5 - z_5) \mathbf{a}_2 +$ $(-x_5 + y_5 + z_5) \mathbf{a}_3$	=	$ay_5 \hat{\mathbf{x}} - ax_5 \hat{\mathbf{y}} - az_5 \hat{\mathbf{z}}$	(192l)	C III
$\mathbf{B}_{116} =$	$(x_5 + y_5 - z_5) \mathbf{a}_1 +$ $(-x_5 + y_5 + z_5) \mathbf{a}_2 -$ $(x_5 + y_5 + z_5) \mathbf{a}_3$	=	$-ax_5 \hat{\mathbf{x}} - az_5 \hat{\mathbf{y}} + ay_5 \hat{\mathbf{z}}$	(192l)	C III
$\mathbf{B}_{117} =$	$-(x_5 + y_5 + z_5) \mathbf{a}_1 +$ $(x_5 - y_5 + z_5) \mathbf{a}_2 +$ $(x_5 + y_5 - z_5) \mathbf{a}_3$	=	$ax_5 \hat{\mathbf{x}} - az_5 \hat{\mathbf{y}} - ay_5 \hat{\mathbf{z}}$	(192l)	C III
$\mathbf{B}_{118} =$	$(-x_5 + y_5 + z_5) \mathbf{a}_1 +$ $(x_5 + y_5 - z_5) \mathbf{a}_2 +$ $(x_5 - y_5 + z_5) \mathbf{a}_3$	=	$ax_5 \hat{\mathbf{x}} + az_5 \hat{\mathbf{y}} + ay_5 \hat{\mathbf{z}}$	(192l)	C III
$\mathbf{B}_{119} =$	$(x_5 - y_5 + z_5) \mathbf{a}_1 -$ $(x_5 + y_5 + z_5) \mathbf{a}_2 +$ $(-x_5 + y_5 + z_5) \mathbf{a}_3$	=	$-ax_5 \hat{\mathbf{x}} + az_5 \hat{\mathbf{y}} - ay_5 \hat{\mathbf{z}}$	(192l)	C III
$\mathbf{B}_{120} =$	$(x_5 - y_5 + z_5) \mathbf{a}_1 +$ $(x_5 + y_5 - z_5) \mathbf{a}_2 -$ $(x_5 + y_5 + z_5) \mathbf{a}_3$	=	$-az_5 \hat{\mathbf{x}} - ay_5 \hat{\mathbf{y}} + ax_5 \hat{\mathbf{z}}$	(192l)	C III
$\mathbf{B}_{121} =$	$(-x_5 + y_5 + z_5) \mathbf{a}_1 -$ $(x_5 + y_5 + z_5) \mathbf{a}_2 +$ $(x_5 + y_5 - z_5) \mathbf{a}_3$	=	$-az_5 \hat{\mathbf{x}} + ay_5 \hat{\mathbf{y}} - ax_5 \hat{\mathbf{z}}$	(192l)	C III

$$\begin{aligned}
\mathbf{B}_{122} = & -(x_5 + y_5 + z_5) \mathbf{a}_1 + & = & az_5 \hat{\mathbf{x}} - ay_5 \hat{\mathbf{y}} - ax_5 \hat{\mathbf{z}} & (192l) & \text{C III} \\
& (-x_5 + y_5 + z_5) \mathbf{a}_2 + \\
& (x_5 - y_5 + z_5) \mathbf{a}_3 \\
\mathbf{B}_{123} = & (x_5 + y_5 - z_5) \mathbf{a}_1 + & = & az_5 \hat{\mathbf{x}} + ay_5 \hat{\mathbf{y}} + ax_5 \hat{\mathbf{z}} & (192l) & \text{C III} \\
& (x_5 - y_5 + z_5) \mathbf{a}_2 + \\
& (-x_5 + y_5 + z_5) \mathbf{a}_3
\end{aligned}$$

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