Structure constants of the Lie Algebra:

$(0,\ e^{16},\ 0,\ 0,\ 0,\ 0)$

Symplectic form

$\omega = e^{12} + e^{34} + e^{56}$

Derivatives of $3-$forms

$(J+P)/2, \quad d(e^{234}) = e^{1346}$

$E, \quad d(e^{235}) = e^{1356}$

$G, \quad d(e^{245}) = e^{1456}$

$Ker(d^3) \supset \{e^{123},\ e^{124},\ e^{125},\ e^{126},\ e^{134},\ e^{135},\ e^{136},\ e^{145},\ e^{146},\ e^{156},\ e^{236},\ e^{246},\ e^{256},\ e^{345},\ e^{346},\ e^{356},\ e^{456},\ \}$

Derivatives of $2-$forms

$d(e^{23}) = (-1.0)e^{136}, \quad B$

$d(e^{24}) = (-1.0)e^{146}, \quad D$

$d(e^{25}) = (-1.0)e^{156}, \quad (O-I)/2$

$Ker(d^2) \supset \{e^{12},\ e^{13},\ e^{14},\ e^{15},\ e^{16},\ e^{26},\ e^{34},\ e^{35},\ e^{36},\ e^{45},\ e^{46},\ e^{56},\ \}$

$d\Lambda d$ of $3-$forms

Structure constants of the Lie Algebra:

$(0,\ e^{14},\ 0,\ 0,\ e^{36},\ 0)$

Symplectic form

$\omega = e^{12} + e^{34} + e^{56}$

Derivatives of $3-$forms

$(M+S)/2, \quad d(e^{125}) = e^{1236}$

$E, \quad d(e^{235}) = (-1.0)e^{1345}$

$C, \quad d(e^{145}) = (-1.0)e^{1346}$

$F, \quad d(e^{236}) = (-1.0)e^{1346}$

$(P-J)/2, \quad d(e^{256}) = e^{1456}$

$G, \quad d(e^{245}) = (-1.0)e^{2346}$

$Ker(d^3) \supset \{e^{123},\ e^{124},\ e^{126},\ e^{134},\ e^{135},\ e^{136},\ e^{146},\ e^{156},\ e^{234},\ e^{246},\ e^{345},\ e^{346},\ e^{356},\ e^{456},\ \}$

Derivatives of $2-$forms

$d(e^{23}) = (-1.0)e^{134}, \quad (I+O)/2$

$d(e^{15}) = (-1.0)e^{136}, \quad B$

$d(e^{25}) = e^{145} + (-1.0)e^{236}, \quad CF$

$d(e^{26}) = e^{146}, \quad D$

$d(e^{45}) = e^{346}, \quad (T-N)/2$

$Ker(d^2) \supset \{e^{12},\ e^{13},\ e^{14},\ e^{16},\ e^{24},\ e^{34},\ e^{35},\ e^{36},\ e^{46},\ e^{56},\ \}$

$d\Lambda d$ of $3-$forms

$E, \quad d\Lambda d(e^{235}) = e^{136} \quad B$

$G, \quad d\Lambda d(e^{245}) = (-1.0)e^{146} \quad D$

Structure constants of the Lie Algebra:

$(0,\ e^{13},\ 0,\ 0,\ e^{46},\ 0)$

Symplectic form

$\omega = e^{12} + e^{34} + e^{56}$

Derivatives of $3-$forms

$(M+S)/2,\quad d(e^{125}) = e^{1246}$

$G,\quad d(e^{245}) = e^{1345}$

$A,\quad d(e^{135}) = e^{1346}$

$H,\quad d(e^{246}) = e^{1346}$

$(P-J)/2,\quad d(e^{256}) = e^{1356}$

$E,\quad d(e^{235}) = e^{2346}$

$Ker(d^3) \supset \{e^{123},\ e^{124},\ e^{126},\ e^{134},\ e^{136},\ e^{145},\ e^{146},\ e^{156},\ e^{234},\ e^{236},\ e^{345},\ e^{346},\ e^{356},\ e^{456},\ \}$

Derivatives of $2-$forms

$d(e^{24}) = e^{134},\quad (I+O)/2$

$d(e^{25}) = e^{135} + (-1.0)e^{246},\quad AH$

$d(e^{26}) = e^{136},\quad B$

$d(e^{15}) = (-1.0)e^{146},\quad D$

$d(e^{35}) = (-1.0)e^{346},\quad (T-N)/2$

$Ker(d^2) \supset \{e^{12},\ e^{13},\ e^{14},\ e^{16},\ e^{23},\ e^{34},\ e^{36},\ e^{45},\ e^{46},\ e^{56},\ \}$

$d\Lambda d$ of $3-$forms

$E,\quad d\Lambda d(e^{235}) = e^{136}\quad B$

$G,\quad d\Lambda d(e^{245}) = (-1.0)e^{146}\quad D$

Structure constants of the Lie Algebra:

$(0,\ (-1.0)e^{13},\ 0,\ 0,\ e^{16},\ 0)$

Symplectic form

$\omega = e^{12} + e^{34} + e^{56}$

Derivatives of $3-$forms

$E,\quad d(e^{235}) = e^{1236}$

$G,\quad d(e^{245}) = e^{1246} + (-1.0)e^{1345}$

$H,\quad d(e^{246}) = (-1.0)e^{1346}$

$(S-M)/2,\quad d(e^{345}) = e^{1346}$

$(P-J)/2,\quad d(e^{256}) = (-1.0)e^{1356}$

$Ker(d^3) \supset \{e^{123},\ e^{124},\ e^{125},\ e^{126},\ e^{134},\ e^{135},\ e^{136},\ e^{145},\ e^{146},\ e^{156},\ e^{234},\ e^{236},\ e^{346},\ e^{356},\ e^{456},\ \}$

Derivatives of $2-$forms

$d(e^{25}) = e^{126} + (-1.0)e^{135},\quad (N+T)/2A$

$d(e^{24}) = (-1.0)e^{134},\quad (I+O)/2$

$d(e^{26}) = (-1.0)e^{136},\quad B$

$d(e^{35}) = e^{136},\quad B$

$d(e^{45}) = e^{146},\quad D$

$Ker(d^2) \supset \{e^{12},\ e^{13},\ e^{14},\ e^{15},\ e^{16},\ e^{23},\ e^{34},\ e^{36},\ e^{46},\ e^{56},\ \}$

$d\Lambda d$ of $3-$forms

Structure constants of the Lie Algebra:

$(0,\ 0,\ 0,\ e^{15},\ 0,\ e^{13})$

Symplectic form

$\omega = e^{12} + e^{34} + e^{56}$

Derivatives of $3-$forms

$H, \quad d(e^{246}) = (-1.0)e^{1234} + e^{1256}$

$(P-J)/2, \quad d(e^{256}) = (-1.0)e^{1235}$

$(J+P)/2, \quad d(e^{234}) = e^{1235}$

$(R-L)/2, \quad d(e^{456}) = e^{1345}$

$(T-N)/2, \quad d(e^{346}) = e^{1356}$

$Ker(d^3) \supset \{e^{123},\ e^{124},\ e^{125},\ e^{126},\ e^{134},\ e^{135},\ e^{136},\ e^{145},\ e^{146},\ e^{156},\ e^{235},\ e^{236},\ e^{245},\ e^{345},\ e^{356},\ \}$

Derivatives of $2-$forms

$d(e^{26}) = e^{123}, \quad (K+Q)/2$

$d(e^{24}) = e^{125}, \quad (M+S)/2$

$d(e^{46}) = (-1.0)e^{134} + e^{156}, \quad (I+O)/2(O-I)/2$

$d(e^{56}) = (-1.0)e^{135}, \quad A$

$d(e^{34}) = e^{135}, \quad A$

$Ker(d^2) \supset \{e^{12},\ e^{13},\ e^{14},\ e^{15},\ e^{16},\ e^{23},\ e^{25},\ e^{35},\ e^{36},\ e^{45},\ \}$

$d\Lambda d$ of $3-$forms

$H, \quad d\Lambda d(e^{246}) = (-2.0)e^{135} \quad A$

Structure constants of the Lie Algebra:

$(0,\ e^{13},\ 0,\ 0,\ e^{16},\ 0)$

Symplectic form

$\omega = e^{12} + e^{34} + e^{56}$

Derivatives of $3-$forms

$E, \quad d(e^{235}) = e^{1236}$

$G, \quad d(e^{245}) = e^{1246} + e^{1345}$

$H, \quad d(e^{246}) = e^{1346}$

$(S-M)/2, \quad d(e^{345}) = e^{1346}$

$(P-J)/2, \quad d(e^{256}) = e^{1356}$

$Ker(d^3) \supset \{e^{123},\ e^{124},\ e^{125},\ e^{126},\ e^{134},\ e^{135},\ e^{136},\ e^{145},\ e^{146},\ e^{156},\ e^{234},\ e^{236},\ e^{346},\ e^{356},\ e^{456},\ \}$

Derivatives of $2-$forms

$d(e^{25}) = e^{126} + e^{135}, \quad (N+T)/2A$

$d(e^{24}) = e^{134}, \quad (I+O)/2$

$d(e^{26}) = e^{136}, \quad B$

$d(e^{35}) = e^{136}, \quad B$

$d(e^{45}) = e^{146}, \quad D$

$Ker(d^2) \supset \{e^{12},\ e^{13},\ e^{14},\ e^{15},\ e^{16},\ e^{23},\ e^{34},\ e^{36},\ e^{46},\ e^{56},\ \}$

$d\Lambda d$ of $3-$forms

Structure constants of the Lie Algebra:

$(0,\ (-1.0)e^{14}+e^{36},\ 0,\ e^{13}+e^{16},\ 0,\ 0)$

Symplectic form

$\omega = e^{12}+e^{34}+e^{56}$

Derivatives of $3-$forms

$G,\quad d(e^{245}) = e^{1235}+(-1.0)e^{1256}+e^{3456}$

$(J+P)/2,\quad d(e^{234}) = e^{1236}$

$H,\quad d(e^{246}) = e^{1236}$

$E,\quad d(e^{235}) = e^{1345}$

$(L+R)/2,\quad d(e^{124}) = e^{1346}$

$F,\quad d(e^{236}) = e^{1346}$

$(S-M)/2,\quad d(e^{345}) = (-1.0)e^{1356}$

$(M+S)/2,\quad d(e^{125}) = e^{1356}$

$(R-L)/2,\quad d(e^{456}) = e^{1356}$

$(P-J)/2,\quad d(e^{256}) = (-1.0)e^{1456}$

$Ker(d^3) \supset \{e^{123},\ e^{126},\ e^{134},\ e^{135},\ e^{136},\ e^{145},\ e^{146},\ e^{156},\ e^{346},\ e^{356},\ \}$

Derivatives of $2-$forms

$d(e^{24}) = e^{123}+e^{126}+(-1.0)e^{346},\quad (K+Q)/2(N+T)/2(T-N)/2$

$d(e^{23}) = e^{134},\quad (I+O)/2$

$d(e^{45}) = e^{135}+(-1.0)e^{156},\quad A(O-I)/2$

$d(e^{12}) = (-1.0)e^{136},\quad B$

$d(e^{34}) = e^{136},\quad B$

$d(e^{46}) = e^{136},\quad B$

$d(e^{25}) = (-1.0)e^{145}+(-1.0)e^{356},\quad C(Q-K)/2$

$d(e^{26}) = (-1.0)e^{146},\quad D$

$Ker(d^2) \supset \{e^{13},\ e^{14},\ e^{15},\ e^{16},\ e^{35},\ e^{36},\ e^{56},\ \}$

$d\Lambda d$ of $3-$forms

$G,\quad d\Lambda d(e^{245}) = 2.0\ e^{136}\quad B$

Structure constants of the Lie Algebra:

$(0,\ 0,\ e^{16},\ (-1.0)e^{13},\ e^{14} + (-1.0)e^{36},\ 0)$

Symplectic form

$\omega = e^{12} + e^{34} + e^{56}$

Derivatives of $3-$forms

$E,\quad d(e^{235}) = e^{1234} + (-1.0)e^{1256}$

$G,\quad d(e^{245}) = (-1.0)e^{1235} + e^{2346}$

$(M+S)/2,\quad d(e^{125}) = (-1.0)e^{1236}$

$H,\quad d(e^{246}) = (-1.0)e^{1236}$

$(J+P)/2,\quad d(e^{234}) = (-1.0)e^{1246}$

$(P-J)/2,\quad d(e^{256}) = e^{1246}$

$C,\quad d(e^{145}) = e^{1346}$

$(Q-K)/2,\quad d(e^{356}) = e^{1346}$

$(R-L)/2,\quad d(e^{456}) = (-1.0)e^{1356}$

$(S-M)/2,\quad d(e^{345}) = e^{1456}$

$Ker(d^3) \supset \{e^{123},\ e^{124},\ e^{126},\ e^{134},\ e^{135},\ e^{136},\ e^{146},\ e^{156},\ e^{236},\ e^{346},\ \}$

Derivatives of $2-$forms

$d(e^{24}) = (-1.0)e^{123},\quad (K+Q)/2$

$d(e^{25}) = e^{124} + e^{236},\quad (L+R)/2F$

$d(e^{23}) = e^{126},\quad (N+T)/2$

$d(e^{35}) = e^{134} + (-1.0)e^{156},\quad (I+O)/2(O-I)/2$

$d(e^{45}) = (-1.0)e^{135} + (-1.0)e^{346},\quad A(T-N)/2$

$d(e^{46}) = (-1.0)e^{136},\quad B$

$d(e^{15}) = e^{136},\quad B$

$d(e^{34}) = (-1.0)e^{146},\quad D$

$d(e^{56}) = e^{146},\quad D$

$Ker(d^2) \supset \{e^{12},\ e^{13},\ e^{14},\ e^{16},\ e^{26},\ e^{36},\ \}$

$d\Lambda d$ of 3−forms

$G, \quad d\Lambda d(e^{245}) = (-1.0)e^{134} + e^{156} \quad (I+O)/2(O-I)/2$

$(P-J)/2, \quad d\Lambda d(e^{256}) = (-1.0)e^{136} \quad B$

$(J+P)/2, \quad d\Lambda d(e^{234}) = e^{136} \quad B$

$E, \quad d\Lambda d(e^{235}) = (-2.0)e^{146} \quad D$

Structure constants of the Lie Algebra:

$(0,\ 0,\ e^{14},\ e^{15},\ 0,\ e^{13})$

Symplectic form

$\omega = e^{12} + e^{34} + e^{56}$

Derivatives of $3-$forms

$H, \quad d(e^{246}) = (-1.0)e^{1234} + e^{1256}$

$(P-J)/2, \quad d(e^{256}) = (-1.0)e^{1235}$

$(J+P)/2, \quad d(e^{234}) = e^{1235}$

$E, \quad d(e^{235}) = e^{1245}$

$F, \quad d(e^{236}) = e^{1246}$

$(R-L)/2, \quad d(e^{456}) = e^{1345}$

$(T-N)/2, \quad d(e^{346}) = e^{1356}$

$(Q-K)/2, \quad d(e^{356}) = e^{1456}$

$Ker(d^3) \supset \{e^{123},\ e^{124},\ e^{125},\ e^{126},\ e^{134},\ e^{135},\ e^{136},\ e^{145},\ e^{146},\ e^{156},\ e^{245},\ e^{345},\ \}$

Derivatives of $2-$forms

$d(e^{26}) = e^{123}, \quad (K+Q)/2$

$d(e^{23}) = e^{124}, \quad (L+R)/2$

$d(e^{24}) = e^{125}, \quad (M+S)/2$

$d(e^{46}) = (-1.0)e^{134} + e^{156}, \quad (I+O)/2(O-I)/2$

$d(e^{56}) = (-1.0)e^{135}, \quad A$

$d(e^{34}) = e^{135}, \quad A$

$d(e^{35}) = e^{145}, \quad C$

$d(e^{36}) = e^{146}, \quad D$

$Ker(d^2) \supset \{e^{12},\ e^{13},\ e^{14},\ e^{15},\ e^{16},\ e^{25},\ e^{45},\ \}$

$d\Lambda d$ of $3-$forms

$F, \quad d\Lambda d(e^{236}) = (-1.0)e^{134} + e^{156} \quad (I+O)/2(O-I)/2$

$H, \quad d\Lambda d(e^{246}) = (-2.0)e^{135} \quad A$

$(P-J)/2, \quad d\Lambda d(e^{256}) = (-1.0)e^{145} \quad C$

$(J+P)/2, \quad d\Lambda d(e^{234}) = e^{145} \quad C$

Structure constants of the Lie Algebra:

$(0,\ e^{35},\ 0,\ \lambda\ e^{15},\ 0,\ (-1+\lambda)e^{13})$

Symplectic form

$\omega = e^{12} + e^{34} + e^{56}$

Derivatives of 3−forms

$H,\quad d(e^{246}) = (1.0-\lambda)e^{1234} + \lambda\ e^{1256} + (-1.0)e^{3456}$

$(J+P)/2,\quad d(e^{234}) = \lambda\ e^{1235}$

$(P-J)/2,\quad d(e^{256}) = (1.0-\lambda)e^{1235}$

$(L+R)/2,\quad d(e^{124}) = e^{1345}$

$(R-L)/2,\quad d(e^{456}) = (-1+\lambda)e^{1345}$

$(N+T)/2,\quad d(e^{126}) = (-1.0)e^{1356}$

$(T-N)/2,\quad d(e^{346}) = \lambda\ e^{1356}$

$Ker(d^3) \supset \{e^{123},\ e^{125},\ e^{134},\ e^{135},\ e^{136},\ e^{145},\ e^{146},\ e^{156},\ e^{235},\ e^{236},\ e^{245},\ e^{345},\ e^{356},\ \}$

Derivatives of 2−forms

$d(e^{26}) = (-1.0+\lambda)e^{123} + e^{356},\quad (K+Q)/2(Q-K)/2$

$d(e^{24}) = \lambda\ e^{125} + (-1.0)e^{345},\quad (M+S)/2(S-M)/2$

$d(e^{46}) = (1.0-\lambda)e^{134} + \lambda\ e^{156},\quad (I+O)/2(O-I)/2$

$d(e^{12}) = (-1.0)e^{135},\quad A$

$d(e^{34}) = \lambda\ e^{135},\quad A$

$d(e^{56}) = (1.0-\lambda)e^{135},\quad A$

$Ker(d^2) \supset \{e^{13},\ e^{14},\ e^{15},\ e^{16},\ e^{23},\ e^{25},\ e^{35},\ e^{36},\ e^{45},\ \}$

$d\Lambda d$ of 3−forms

$H,\quad d\Lambda d(e^{246}) = (-1.0 + (1.0-\lambda)(-1+\lambda) - \lambda^2)e^{135}\quad A$

Structure constants of the Lie Algebra:

$(0,\ (-1.0)e^{13} + ((2.0)\frac{\lambda}{1+\lambda^2})e^{35},\ 0,\ ((2.0)\frac{\lambda}{1+\lambda^2})e^{15},\ 0,\ (\frac{1}{1+\lambda^2})e^{35})$

Symplectic form

$\omega = e^{12} + e^{34} + e^{56}$

Derivatives of 3−forms

$(N+T)/2,\quad d(e^{126}) = (\frac{1}{1+\lambda^2})e^{1235} + (-(2.0)\frac{\lambda}{1+\lambda^2})e^{1356}$

$(J+P)/2,\quad d(e^{234}) = ((2.0)\frac{\lambda}{1+\lambda^2})e^{1235}$

$H,\quad d(e^{246}) = ((2.0)\frac{\lambda}{1+\lambda^2})e^{1256} + (-1.0)e^{1346} + (-\frac{1}{1+\lambda^2})e^{2345} + (-(2.0)\frac{\lambda}{1+\lambda^2})e^{3456}$

$(L+R)/2,\quad d(e^{124}) = ((2.0)\frac{\lambda}{1+\lambda^2})e^{1345}$

$D,\quad d(e^{146}) = (-\frac{1}{1+\lambda^2})e^{1345}$

$G,\quad d(e^{245}) = (-1.0)e^{1345}$

$(P-J)/2,\quad d(e^{256}) = (-1.0)e^{1356}$

$(T-N)/2,\quad d(e^{346}) = ((2.0)\frac{\lambda}{1+\lambda^2})e^{1356}$

$Ker(d^3) \supset \{e^{123},\ e^{125},\ e^{134},\ e^{135},\ e^{136},\ e^{145},\ e^{156},\ e^{235},\ e^{236},\ e^{345},\ e^{356},\ e^{456},\ \}$

Derivatives of 2−forms

$d(e^{24}) = ((2.0)\frac{\lambda}{1+\lambda^2})e^{125} + (-1.0)e^{134} + (-(2.0)\frac{\lambda}{1+\lambda^2})e^{345},\quad (M+S)/2(I+O)/2(S-M)/2$

$d(e^{12}) = (-(2.0)\frac{\lambda}{1+\lambda^2})e^{135},\quad A$

$d(e^{16}) = (-\frac{1}{1+\lambda^2})e^{135},\quad A$

$d(e^{25}) = (-1.0)e^{135},\quad A$

$d(e^{34}) = ((2.0)\frac{\lambda}{1+\lambda^2})e^{135},\quad A$

$d(e^{26}) = (-1.0)e^{136} + (-\frac{1}{1+\lambda^2})e^{235} + ((2.0)\frac{\lambda}{1+\lambda^2})e^{356},\quad BE(Q-K)/2$

$d(e^{46}) = ((2.0)\frac{\lambda}{1+\lambda^2})e^{156} + (\frac{1}{1+\lambda^2})e^{345},\quad (O-I)/2(S-M)/2$

$Ker(d^2) \supset \{e^{13},\ e^{14},\ e^{15},\ e^{23},\ e^{35},\ e^{36},\ e^{45},\ e^{56},\ \}$

$d\Lambda d$ of 3−forms

$H,\quad d\Lambda d(e^{246}) = (-(8.0)\frac{\lambda^2}{1+\lambda^{2^2}} + 2\frac{1}{1+\lambda^2})e^{135}\quad A$

Structure constants of the Lie Algebra:

$(0,\ 0,\ 0,\ 0,\ (-1.0)e^{12} + e^{34},\ (-1.0)e^{13} + (-1.0)e^{24})$

Symplectic form

$\omega = e^{16} + e^{23} + (-1.0)e^{45}$

Derivatives of $3-$forms

$(S - M)/2, \quad d(e^{345}) = (-1.0)e^{1234}$

$(M + S)/2, \quad d(e^{125}) = e^{1234}$

$B, \quad d(e^{136}) = e^{1234}$

$H, \quad d(e^{246}) = e^{1234}$

$(P - J)/2, \quad d(e^{256}) = e^{1235} + (-1.0)e^{2346}$

$(Q - K)/2, \quad d(e^{356}) = e^{1236} + e^{2345}$

$(O - I)/2, \quad d(e^{156}) = (-1.0)e^{1245} + (-1.0)e^{1346}$

$(R - L)/2, \quad d(e^{456}) = e^{1246} + (-1.0)e^{1345}$

$Ker(d^3) \supset \{e^{123},\ e^{124},\ e^{126},\ e^{134},\ e^{135},\ e^{145},\ e^{146},\ e^{234},\ e^{235},\ e^{236},\ e^{245},\ e^{346},\ \}$

Derivatives of $2-$forms

$d(e^{26}) = (-1.0)e^{123}, \quad (K + Q)/2$

$d(e^{35}) = e^{123}, \quad (K + Q)/2$

$d(e^{16}) = e^{124}, \quad (L + R)/2$

$d(e^{45}) = e^{124}, \quad (L + R)/2$

$d(e^{56}) = (-1.0)e^{126} + e^{135} + e^{245} + e^{346}, \quad (N + T)/2AG(T - N)/2$

$d(e^{15}) = (-1.0)e^{134}, \quad (I + O)/2$

$d(e^{46}) = e^{134}, \quad (I + O)/2$

$d(e^{25}) = (-1.0)e^{234}, \quad (J + P)/2$

$d(e^{36}) = (-1.0)e^{234}, \quad (J + P)/2$

$Ker(d^2) \supset \{e^{12},\ e^{13},\ e^{14},\ e^{23},\ e^{24},\ e^{34},\ \}$

$d\Lambda d$ of $3-$forms

$(Q - K)/2, \quad d\Lambda d(e^{356}) = 2.0\ e^{124} \quad (L + R)/2$

$(P - J)/2, \quad d\Lambda d(e^{256}) = (-2.0)e^{134} \quad (I + O)/2$

Structure constants of the Lie Algebra:

$(0,\ 0,\ 0,\ (-1.0)e^{12},\ (-1.0)e^{14},\ (-1.0)e^{15} + (-1.0)e^{23} + (-1.0)e^{24})$

Symplectic form

$\omega = (-1.0)e^{16} + (-1.0)e^{25} + e^{34}$

Derivatives of $3-$forms

$D,\quad d(e^{146}) = (-1.0)e^{1234}$

$E,\quad d(e^{235}) = (-1.0)e^{1234}$

$B,\quad d(e^{136}) = e^{1234}$

$F,\quad d(e^{236}) = (-1.0)e^{1235}$

$(O-I)/2,\quad d(e^{156}) = (-1.0)e^{1235} + (-1.0)e^{1245}$

$(S-M)/2,\quad d(e^{345}) = e^{1235}$

$(T-N)/2,\quad d(e^{346}) = e^{1236} + (-1.0)e^{1345}$

$H,\quad d(e^{246}) = (-1.0)e^{1245}$

$(P-J)/2,\quad d(e^{256}) = (-1.0)e^{1246}$

$(R-L)/2,\quad d(e^{456}) = (-1.0)e^{1256} + (-1.0)e^{2345}$

$(Q-K)/2,\quad d(e^{356}) = (-1.0)e^{1346} + e^{2345}$

$Ker(d^3) \supset \{e^{123},\ e^{124},\ e^{125},\ e^{126},\ e^{134},\ e^{135},\ e^{145},\ e^{234},\ e^{245},\ \}$

Derivatives of $2-$forms

$d(e^{34}) = e^{123},\quad (K+Q)/2$

$d(e^{16}) = e^{123} + e^{124},\quad (K+Q)/2(L+R)/2$

$d(e^{25}) = (-1.0)e^{124},\quad (L+R)/2$

$d(e^{26}) = (-1.0)e^{125},\quad (M+S)/2$

$d(e^{45}) = (-1.0)e^{125},\quad (M+S)/2$

$d(e^{46}) = (-1.0)e^{126} + (-1.0)e^{145} + e^{234},\quad (N+T)/2C(J+P)/2$

$d(e^{35}) = (-1.0)e^{134},\quad (I+O)/2$

$d(e^{36}) = (-1.0)e^{135} + (-1.0)e^{234},\quad A(J+P)/2$

$d(e^{56}) = (-1.0)e^{146} + e^{235} + e^{245},\quad DEG$

$Ker(d^2) \supset \{e^{12},\ e^{13},\ e^{14},\ e^{15},\ e^{23},\ e^{24},\ \}$

$d\Lambda d$ of 3−forms

$(Q-K)/2, \quad d\Lambda d(e^{356}) = (-1.0)e^{123} + (-2.0)e^{124} \quad (K+Q)/2(L+R)/2$

$(R-L)/2, \quad d\Lambda d(e^{456}) = 2.0\ e^{123} + e^{124} \quad (K+Q)/2(L+R)/2$

Structure constants of the Lie Algebra:

$(0,\ 0,\ (-1.0)e^{12},\ (-1.0)e^{13},\ (-1.0)e^{14},\ (-1.0)e^{15})$

Symplectic form

$\omega = e^{16} + (-1.0)e^{25} + e^{34}$

Derivatives of 3−forms

$E,\quad d(e^{235}) = (-1.0)e^{1234}$

$F,\quad d(e^{236}) = (-1.0)e^{1235}$

$G,\quad d(e^{245}) = (-1.0)e^{1235}$

$H,\quad d(e^{246}) = (-1.0)e^{1236} + (-1.0)e^{1245}$

$(S-M)/2,\quad d(e^{345}) = (-1.0)e^{1245}$

$(P-J)/2,\quad d(e^{256}) = (-1.0)e^{1246}$

$(T-N)/2,\quad d(e^{346}) = (-1.0)e^{1246} + (-1.0)e^{1345}$

$(Q-K)/2,\quad d(e^{356}) = (-1.0)e^{1256} + (-1.0)e^{1346}$

$(R-L)/2,\quad d(e^{456}) = (-1.0)e^{1356}$

$Ker(d^3) \supset \{e^{123},\ e^{124},\ e^{125},\ e^{126},\ e^{134},\ e^{135},\ e^{136},\ e^{145},\ e^{146},\ e^{156},\ e^{234},\ \}$

Derivatives of 2−forms

$d(e^{24}) = (-1.0)e^{123},\quad (K+Q)/2$

$d(e^{25}) = (-1.0)e^{124},\quad (L+R)/2$

$d(e^{34}) = (-1.0)e^{124},\quad (L+R)/2$

$d(e^{26}) = (-1.0)e^{125},\quad (M+S)/2$

$d(e^{35}) = (-1.0)e^{125} + (-1.0)e^{134},\quad (M+S)/2(I+O)/2$

$d(e^{36}) = (-1.0)e^{126} + (-1.0)e^{135},\quad (N+T)/2A$

$d(e^{45}) = (-1.0)e^{135},\quad A$

$d(e^{46}) = (-1.0)e^{136} + (-1.0)e^{145},\quad BC$

$d(e^{56}) = (-1.0)e^{146},\quad D$

$Ker(d^2) \supset \{e^{12},\ e^{13},\ e^{14},\ e^{15},\ e^{16},\ e^{23},\ \}$

$d\Lambda d$ of 3−forms

$(P-J)/2, \;\; d\Lambda d(e^{256}) = e^{123} \;\; (K+Q)/2$

$(T-N)/2, \;\; d\Lambda d(e^{346}) = e^{123} \;\; (K+Q)/2$

$(Q-K)/2, \;\; d\Lambda d(e^{356}) = 2.0\ e^{124} \;\; (L+R)/2$

$(R-L)/2, \;\; d\Lambda d(e^{456}) = e^{125} + e^{134} \;\; (M+S)/2(I+O)/2$

Structure constants of the Lie Algebra:

$(0,\ 0,\ (-1.0)e^{12},\ (-1.0)e^{13},\ (-1.0)e^{14}+(-1.0)e^{23},\ (-1.0)e^{15}+(-1.0)e^{24})$

Symplectic form

$\omega = e^{16} + (1-\lambda)e^{25} + \lambda\ e^{34}$

Derivatives of $3-$forms

$C,\quad d(e^{145}) = (-1.0)e^{1234}$

$E,\quad d(e^{235}) = (-1.0)e^{1234}$

$B,\quad d(e^{136}) = e^{1234}$

$F,\quad d(e^{236}) = (-1.0)e^{1235}$

$G,\quad d(e^{245}) = (-1.0)e^{1235}$

$H,\quad d(e^{246}) = (-1.0)e^{1236} + (-1.0)e^{1245}$

$(O-I)/2,\quad d(e^{156}) = e^{1236} + (-1.0)e^{1245}$

$(S-M)/2,\quad d(e^{345}) = (-1.0)e^{1245}$

$(P-J)/2,\quad d(e^{256}) = (-1.0)e^{1246}$

$(T-N)/2,\quad d(e^{346}) = (-1.0)e^{1246} + (-1.0)e^{1345}$

$(Q-K)/2,\quad d(e^{356}) = (-1.0)e^{1256} + (-1.0)e^{1346} + e^{2345}$

$(R-L)/2,\quad d(e^{456}) = (-1.0)e^{1356} + e^{2346}$

$Ker(d^3) \supset \{e^{123},\ e^{124},\ e^{125},\ e^{126},\ e^{134},\ e^{135},\ e^{146},\ e^{234},\ \}$

Derivatives of $2-$forms

$d(e^{24}) = (-1.0)e^{123},\quad (K+Q)/2$

$d(e^{15}) = e^{123},\quad (K+Q)/2$

$d(e^{25}) = (-1.0)e^{124},\quad (L+R)/2$

$d(e^{34}) = (-1.0)e^{124},\quad (L+R)/2$

$d(e^{16}) = e^{124},\quad (L+R)/2$

$d(e^{26}) = (-1.0)e^{125},\quad (M+S)/2$

$d(e^{35}) = (-1.0)e^{125} + (-1.0)e^{134},\quad (M+S)/2(I+O)/2$

$d(e^{36}) = (-1.0)e^{126} + (-1.0)e^{135} + (-1.0)e^{234},\quad (N+T)/2A(J+P)/2$

$d(e^{45}) = (-1.0)e^{135} + e^{234},\quad A(J+P)/2$

$d(e^{46}) = (-1.0)e^{136} + (-1.0)e^{145},\quad BC$

$d(e^{56}) = (-1.0)e^{146} + (-1.0)e^{236} + e^{245}, \quad DFG$

$Ker(d^2) \supset \{e^{12},\ e^{13},\ e^{14},\ e^{23},\ \}$

$d\Lambda d$ **of** $3-$**forms**

$(P-J)/2, \quad d\Lambda d(e^{256}) = e^{123} \quad (K+Q)/2$

$(T-N)/2, \quad d\Lambda d(e^{346}) = (1.0 - \frac{1}{\lambda})e^{123} \quad (K+Q)/2$

$(Q-K)/2, \quad d\Lambda d(e^{356}) = (2.0 + (2.0)\frac{1}{-1+\lambda} - (2.0)\frac{1}{\lambda})e^{124} \quad (L+R)/2$

$(R-L)/2, \quad d\Lambda d(e^{456}) = (1.0 - \frac{1}{\lambda})e^{125} + e^{134} \quad (M+S)/2(I+O)/2$