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

$d(e^{234}) = e^{1346}$

$d(e^{235}) = e^{1356}$

$d(e^{245}) = e^{1456}$

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

Derivatives of $2-$forms

$d(e^{23}) = (-1.0)e^{136}$

$d(e^{24}) = (-1.0)e^{146}$

$d(e^{25}) = (-1.0)e^{156}$

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

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

Structure constants of the Lie Algebra:

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

Symplectic form

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

Derivatives of 3−forms

$d(e^{125}) = (-1.0)e^{1236}$

$d(e^{235}) = e^{1345}$

$d(e^{145}) = e^{1346}$

$d(e^{236}) = e^{1346}$

$d(e^{256}) = (-1.0)e^{1456}$

$d(e^{245}) = e^{2346}$

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

Derivatives of 2−forms

$d(e^{23}) = e^{134}$

$d(e^{15}) = e^{136}$

$d(e^{25}) = (-1.0)e^{145} + e^{236}$

$d(e^{26}) = (-1.0)e^{146}$

$d(e^{45}) = (-1.0)e^{346}$

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

$d\Lambda d$ of 3−forms

$d\Lambda d(e^{235}) = e^{136}$

$d\Lambda d(e^{245}) = (-1.0)e^{146}$

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

$d(e^{125}) = e^{1246}$

$d(e^{245}) = e^{1345}$

$d(e^{135}) = e^{1346}$

$d(e^{246}) = e^{1346}$

$d(e^{256}) = e^{1356}$

$d(e^{235}) = e^{2346}$

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

Derivatives of 2−forms

$d(e^{24}) = e^{134}$

$d(e^{25}) = e^{135} + (-1.0)e^{246}$

$d(e^{26}) = e^{136}$

$d(e^{15}) = (-1.0)e^{146}$

$d(e^{35}) = (-1.0)e^{346}$

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

$d\Lambda d$ of 3−forms

$d\Lambda d(e^{235}) = e^{136}$

$d\Lambda d(e^{245}) = (-1.0)e^{146}$

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

$d(e^{235}) = e^{1236}$

$d(e^{245}) = e^{1246} + (-1.0)e^{1345}$

$d(e^{246}) = (-1.0)e^{1346}$

$d(e^{345}) = e^{1346}$

$d(e^{256}) = (-1.0)e^{1356}$

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

Derivatives of 2−forms

$d(e^{25}) = e^{126} + (-1.0)e^{135}$

$d(e^{24}) = (-1.0)e^{134}$

$d(e^{26}) = (-1.0)e^{136}$

$d(e^{35}) = e^{136}$

$d(e^{45}) = e^{146}$

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

$d\Lambda d$ 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

$d(e^{246}) = (-1.0)e^{1234} + e^{1256}$

$d(e^{256}) = (-1.0)e^{1235}$

$d(e^{234}) = e^{1235}$

$d(e^{456}) = e^{1345}$

$d(e^{346}) = e^{1356}$

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

Derivatives of 2−forms

$d(e^{26}) = e^{123}$

$d(e^{24}) = e^{125}$

$d(e^{46}) = (-1.0)e^{134} + e^{156}$

$d(e^{56}) = (-1.0)e^{135}$

$d(e^{34}) = e^{135}$

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

$d\Lambda d$ of 3−forms

$d\Lambda d(e^{246}) = (-2.0)e^{135}$

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

$d(e^{235}) = e^{1236}$

$d(e^{245}) = e^{1246} + e^{1345}$

$d(e^{246}) = e^{1346}$

$d(e^{345}) = e^{1346}$

$d(e^{256}) = e^{1356}$

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

Derivatives of 2−forms

$d(e^{25}) = e^{126} + e^{135}$

$d(e^{24}) = e^{134}$

$d(e^{26}) = e^{136}$

$d(e^{35}) = e^{136}$

$d(e^{45}) = e^{146}$

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

$d\Lambda d$ 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

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

$d(e^{234}) = e^{1236}$

$d(e^{246}) = e^{1236}$

$d(e^{235}) = e^{1345}$

$d(e^{124}) = e^{1346}$

$d(e^{236}) = e^{1346}$

$d(e^{345}) = (-1.0)e^{1356}$

$d(e^{125}) = e^{1356}$

$d(e^{456}) = e^{1356}$

$d(e^{256}) = (-1.0)e^{1456}$

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

Derivatives of 2−forms

$d(e^{24}) = e^{123} + e^{126} + (-1.0)e^{346}$

$d(e^{23}) = e^{134}$

$d(e^{45}) = e^{135} + (-1.0)e^{156}$

$d(e^{12}) = (-1.0)e^{136}$

$d(e^{34}) = e^{136}$

$d(e^{46}) = e^{136}$

$d(e^{25}) = (-1.0)e^{145} + (-1.0)e^{356}$

$d(e^{26}) = (-1.0)e^{146}$

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

$d\Lambda d$ of 3−forms

$d\Lambda d(e^{245}) = 2.0\ e^{136}$

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

$d(e^{235}) = e^{1234}+(-1.0)e^{1256}$

$d(e^{245}) = (-1.0)e^{1235}+e^{2346}$

$d(e^{125}) = (-1.0)e^{1236}$

$d(e^{246}) = (-1.0)e^{1236}$

$d(e^{234}) = (-1.0)e^{1246}$

$d(e^{256}) = e^{1246}$

$d(e^{145}) = e^{1346}$

$d(e^{356}) = e^{1346}$

$d(e^{456}) = (-1.0)e^{1356}$

$d(e^{345}) = e^{1456}$

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

Derivatives of 2−forms

$d(e^{24}) = (-1.0)e^{123}$

$d(e^{25}) = e^{124}+e^{236}$

$d(e^{23}) = e^{126}$

$d(e^{35}) = e^{134}+(-1.0)e^{156}$

$d(e^{45}) = (-1.0)e^{135}+(-1.0)e^{346}$

$d(e^{46}) = (-1.0)e^{136}$

$d(e^{15}) = e^{136}$

$d(e^{34}) = (-1.0)e^{146}$

$d(e^{56}) = e^{146}$

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

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

$d\Lambda d(e^{245}) = (-1.0)e^{134} + e^{156}$

$d\Lambda d(e^{256}) = (-1.0)e^{136}$

$d\Lambda d(e^{234}) = e^{136}$

$d\Lambda d(e^{235}) = (-2.0)e^{146}$

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

$d(e^{246}) = (-1.0)e^{1234} + e^{1256}$

$d(e^{256}) = (-1.0)e^{1235}$

$d(e^{234}) = e^{1235}$

$d(e^{235}) = e^{1245}$

$d(e^{236}) = e^{1246}$

$d(e^{456}) = e^{1345}$

$d(e^{346}) = e^{1356}$

$d(e^{356}) = e^{1456}$

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

Derivatives of 2−forms

$d(e^{26}) = e^{123}$

$d(e^{23}) = e^{124}$

$d(e^{24}) = e^{125}$

$d(e^{46}) = (-1.0)e^{134} + e^{156}$

$d(e^{56}) = (-1.0)e^{135}$

$d(e^{34}) = e^{135}$

$d(e^{35}) = e^{145}$

$d(e^{36}) = e^{146}$

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

$d\Lambda d$ of 3−forms

$d\Lambda d(e^{236}) = (-1.0)e^{134} + e^{156}$

$d\Lambda d(e^{246}) = (-2.0)e^{135}$

$d\Lambda d(e^{256}) = (-1.0)e^{145}$

$d\Lambda d(e^{234}) = e^{145}$

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

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

$d(e^{234}) = \lambda\ e^{1235}$

$d(e^{256}) = (1.0-\lambda)e^{1235}$

$d(e^{124}) = e^{1345}$

$d(e^{456}) = (-1+\lambda)e^{1345}$

$d(e^{126}) = (-1.0)e^{1356}$

$d(e^{346}) = \lambda\ e^{1356}$

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

Derivatives of 2−forms

$d(e^{26}) = (-1.0+\lambda)e^{123} + e^{356}$

$d(e^{24}) = \lambda\ e^{125} + (-1.0)e^{345}$

$d(e^{46}) = (1.0-\lambda)e^{134} + \lambda\ e^{156}$

$d(e^{12}) = (-1.0)e^{135}$

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

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

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

$d\Lambda d$ of 3−forms

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

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

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

$d(e^{234}) = ((2.0)\frac{\lambda}{1+\lambda^2})e^{1235}$

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

$d(e^{124}) = ((2.0)\frac{\lambda}{1+\lambda^2})e^{1345}$

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

$d(e^{245}) = (-1.0)e^{1345}$

$d(e^{256}) = (-1.0)e^{1356}$

$d(e^{346}) = ((2.0)\frac{\lambda}{1+\lambda^2})e^{1356}$

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

Derivatives of 2−forms

$d(e^{24}) = ((2.0)\frac{\lambda}{1+\lambda^2})e^{125} + (-1.0)e^{134} + (-(2.0)\frac{\lambda}{1+\lambda^2})e^{345}$

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

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

$d(e^{25}) = (-1.0)e^{135}$

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

$d(e^{26}) = (-1.0)e^{136} + (-\frac{1}{1+\lambda^2})e^{235} + ((2.0)\frac{\lambda}{1+\lambda^2})e^{356}$

$d(e^{46}) = ((2.0)\frac{\lambda}{1+\lambda^2})e^{156} + (\frac{1}{1+\lambda^2})e^{345}$

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

$d\Lambda d$ of 3−forms

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