Structure constants of the Lie Algebra:

$(e^{23},\ (-1)e^{36},\ e^{26},\ e^{26}+(-1)e^{56},\ e^{36}+e^{46},\ 0,\ )$.

Symplectic form

$\omega = (-2)e^{16}+(-1)e^{25}+e^{34}$

Derivatives of 3−forms

$d(e^{124}) = (-1)e^{1256}+(-1)e^{1346}$

$d(e^{125}) = e^{1236}+e^{1246}+(-1)e^{1356}$

$d(e^{134}) = (-1)e^{1236}+e^{1246}+(-1)e^{1356}$

$d(e^{135}) = e^{1256}+e^{1346}$

$d(e^{145}) = e^{1256}+(-1)e^{1346}+e^{2345}$

$d(e^{146}) = e^{2346}$

$d(e^{156}) = e^{2356}$

$d(e^{234}) = (-1)e^{2356}$

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

$d(e^{245}) = (-1)e^{2346}+(-1)e^{3456}$

$d(e^{345}) = (-1)e^{2356}+e^{2456}$

Derivatives of 2−forms

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

$d(e^{13}) = (-1)e^{126}$

$d(e^{14}) = (-1)e^{126}+e^{156}+e^{234}$

$d(e^{15}) = (-1)e^{136}+(-1)e^{146}+e^{235}$

$d(e^{16}) = e^{236}$

$d(e^{24}) = e^{256}+e^{346}$

$d(e^{25}) = (-1)e^{236}+(-1)e^{246}+e^{356}$

$d(e^{34}) = e^{236}+(-1)e^{246}+e^{356}$

$d(e^{35}) = (-1)e^{256}+(-1)e^{346}$

$d(e^{45}) = (-1)e^{256}+e^{346}$

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

$d\Lambda d(e^{124}) = (-1.5)e^{236} + 2e^{246} + (-2)e^{356}$

$d\Lambda d(e^{125}) = 2e^{256} + 2e^{346}$

$d\Lambda d(e^{134}) = 2e^{256} + 2e^{346}$

$d\Lambda d(e^{135}) = 1.5e^{236} + (-2)e^{246} + 2e^{356}$

$d\Lambda d(e^{145}) = (-3)e^{236} + (-1.5)e^{246} + 1.5e^{356}$

Structure constants of the Lie Algebra:

$(e^{16}+e^{35},\ (-1)e^{26}+e^{45},\ e^{36},\ (-1)e^{46},\ 0,\ 0,\ ).$

Symplectic form

$\omega = e^{14}+e^{23}+e^{56}$

Derivatives of $3-$forms

$d(e^{123}) = e^{1236}+(-1)e^{1345}$

$d(e^{124}) = (-1)e^{1246}+(-1)e^{2345}$

$d(e^{126}) = (-1)e^{1456}+e^{2356}$

$d(e^{134}) = e^{1346}$

$d(e^{135}) = 2e^{1356}$

$d(e^{146}) = (-1)e^{3456}$

$d(e^{234}) = (-1)e^{2346}$

$d(e^{236}) = e^{3456}$

$d(e^{245}) = (-2)e^{2456}$

Derivatives of $2-$forms

$d(e^{12}) = (-1)e^{145}+e^{235}$

$d(e^{13}) = (-2)e^{136}$

$d(e^{14}) = (-1)e^{345}$

$d(e^{15}) = (-1)e^{156}$

$d(e^{16}) = e^{356}$

$d(e^{23}) = e^{345}$

$d(e^{24}) = 2e^{246}$

$d(e^{25}) = e^{256}$

$d(e^{26}) = e^{456}$

$d(e^{35}) = (-1)e^{356}$

$d(e^{45}) = e^{456}$

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

$d\Lambda d(e^{126}) = 2e^{345}$

$d\Lambda d(e^{135}) = (-4)e^{136}$

$d\Lambda d(e^{245}) = (-4)e^{246}$

Structure constants of the Lie Algebra:

$(0,\ e^{35},\ 0,\ 0.5e^{15},\ 0,\ (-0.5)e^{13},\ ).$

Symplectic form

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

Derivatives of $3-$forms

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

$d(e^{126}) = (-1)e^{1356}$

$d(e^{234}) = 0.5e^{1235}$

$d(e^{246}) = 0.5e^{1234} + 0.5e^{1256} + (-1)e^{3456}$

$d(e^{256}) = 0.5e^{1235}$

$d(e^{346}) = 0.5e^{1356}$

$d(e^{456}) = (-0.5)e^{1345}$

Derivatives of $2-$forms

$d(e^{12}) = (-1)e^{135}$

$d(e^{24}) = 0.5e^{125} + (-1)e^{345}$

$d(e^{26}) = (-0.5)e^{123} + e^{356}$

$d(e^{34}) = 0.5e^{135}$

$d(e^{46}) = 0.5e^{134} + 0.5e^{156}$

$d(e^{56}) = 0.5e^{135}$

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

$d\Lambda d(e^{246}) = (-1.5)e^{135}$

Structure constants of the Lie Algebra:

$((-2)e^{15},\ 2e^{25},\ (-2)e^{36},\ 2e^{46},\ 0,\ 0,\ ).$

Symplectic form

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

Derivatives of $3-$forms

$d(e^{123}) = (-2)e^{1236}$

$d(e^{124}) = 2e^{1246}$

$d(e^{134}) = (-2)e^{1345}$

$d(e^{135}) = (-2)e^{1356}$

$d(e^{136}) = 2e^{1356}$

$d(e^{145}) = 2e^{1456}$

$d(e^{146}) = 2e^{1456}$

$d(e^{234}) = 2e^{2345}$

$d(e^{235}) = (-2)e^{2356}$

$d(e^{236}) = (-2)e^{2356}$

$d(e^{245}) = 2e^{2456}$

$d(e^{246}) = (-2)e^{2456}$

Derivatives of $2-$forms

$d(e^{13}) = 2e^{135} + 2e^{136}$

$d(e^{14}) = 2e^{145} + (-2)e^{146}$

$d(e^{16}) = (-2)e^{156}$

$d(e^{23}) = (-2)e^{235} + 2e^{236}$

$d(e^{24}) = (-2)e^{245} + (-2)e^{246}$

$d(e^{26}) = 2e^{256}$

$d(e^{35}) = 2e^{356}$

$d(e^{45}) = (-2)e^{456}$

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

$d\Lambda d(e^{135}) = (-4)e^{135} + (-4)e^{136}$

$d\Lambda d(e^{136}) = 4e^{135} + 4e^{136}$

$d\Lambda d(e^{145}) = 4e^{145} + (-4)e^{146}$

$d\Lambda d(e^{146}) = 4e^{145} + (-4)e^{146}$

$d\Lambda d(e^{235}) = 4e^{235} + (-4)e^{236}$

$d\Lambda d(e^{236}) = 4e^{235} + (-4)e^{236}$

$d\Lambda d(e^{245}) = (-4)e^{245} + (-4)e^{246}$

$d\Lambda d(e^{246}) = 4e^{245} + 4e^{246}$