

### Structure constants of the Lie Algebra:

$$(0,0)(0,0)(0,0)(15,1)(0,0)(13,1)$$

### Symplectic form

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

### Derivatives

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

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

$$d(e^{256}) = (-1)e^{1235}$$

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

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

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

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

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

$$d(e^{46}) = (-1)e^{134} + e^{156}$$

$$d(e^{56}) = (-1)e^{135}$$

$$d\Lambda d(e^{246}) = (-2)e^{135}$$

### Structure constants of the Lie Algebra:

$$(0,0)(0,0)(0,0)(0,0)(12,1)(13,1)$$

### Symplectic form

$$\omega = (-1)e^{14} + e^{26} + e^{35}$$

### Derivatives

$$d(e^{246}) = (-1)e^{1234}$$

$$d(e^{256}) = (-1)e^{1235}$$

$$d(e^{345}) = e^{1234}$$

$$d(e^{356}) = (-1)e^{1236}$$

$$d(e^{456}) = (-1)e^{1246} + e^{1345}$$

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

$$d(e^{35}) = (-1)e^{123}$$

$$d(e^{45}) = (-1)e^{124}$$

$$d(e^{46}) = (-1)e^{134}$$

$$d(e^{56}) = e^{126} + (-1)e^{135}$$

$$d\Lambda d(e^{456}) = (-2)e^{123}$$

### Structure constants of the Lie Algebra:

$$(0,0)(35,-2)(0,0)(16,-1)(13,-1)(0,0)$$

### Symplectic form

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

### Derivatives

$$d(e^{124}) = (-2)e^{1345}$$

$$d(e^{126}) = 2e^{1356}$$

$$d(e^{234}) = (-1)e^{1236}$$

$$d(e^{245}) = e^{1234} + e^{1256}$$

$$d(e^{246}) = 2e^{3456}$$

$$d(e^{256}) = (-1)e^{1236}$$

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

$$d(e^{456}) = e^{1346}$$

$$d(e^{12}) = 2e^{135}$$

$$d(e^{24}) = (-1)e^{126} + 2e^{345}$$

$$d(e^{25}) = (-1)e^{123}$$

$$d(e^{26}) = (-2)e^{356}$$

$$d(e^{34}) = (-1)e^{136}$$

$$d(e^{45}) = e^{134} + e^{156}$$

$$d(e^{56}) = (-1)e^{136}$$

$$d\Lambda d(e^{245}) = 4e^{135} + (-2)e^{136}$$

$$d\Lambda d(e^{246}) = (-4)e^{136}$$

### Structure constants of the Lie Algebra:

$$(0,0)(0,0)(0,0)(12,1)(13,1)(23,1)$$

### Symplectic form

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

### Derivatives

$$d(e^{146}) = e^{1234}$$

$$d(e^{156}) = e^{1235}$$

$$d(e^{245}) = (-1)e^{1234}$$

$$d(e^{256}) = e^{1236}$$

$$d(e^{345}) = (-1)e^{1235}$$

$$d(e^{346}) = (-1)e^{1236}$$

$$d(e^{456}) = e^{1256} + (-1)e^{1346} + e^{2345}$$

$$d(e^{16}) = (-1)e^{123}$$

$$d(e^{25}) = e^{123}$$

$$d(e^{34}) = (-1)e^{123}$$

$$d(e^{45}) = e^{125} + (-1)e^{134}$$

$$d(e^{46}) = e^{126} + (-1)e^{234}$$

$$d(e^{56}) = e^{136} + (-1)e^{235}$$