```
In [1]: from printer import Format
              from ga import Ga
              from sympy import symbols
 In [2]: Format(ipy=True)
 In [3]: coords = (x,y,z) = symbols('x,y,z',real=True)
              (o3d, ex, ey, ez) = Ga.build('e_x e_y e_z', g=[1,1,1], coords=coords)
 In [4]: v = o3d.mv('v','vector')
 In [5]: v.Fmt(3,'v')
              v = v^x \boldsymbol{e}_x
                   +v^{y}e_{y}
                   +v^z e_z
 In [6]: V = o3d.mv('V','vector',f=True)
 In [7]: V.Fmt()
             V^x e_x + V^y e_y + V^z e_z
 In [8]: gradV = o3d.grad*V
 In [9]: gradV.Fmt(3,r'\nabla V')
              \nabla V = \left(\partial_x V^x + \partial_y V^y + \partial_z V^z\right)
                      +(-\partial_{y}V^{x}+\partial_{x}V^{y})e_{x}\wedge e_{y}
                      +(-\partial_z V^x + \partial_x V^z)e_x \wedge e_z
                      +(-\partial_z V^y + \partial_v V^z)e_v \wedge e_z
In [10]: gradV.Fmt(2,r'\nabla V')
              \nabla V = \left(\partial_x V^x + \partial_y V^y + \partial_z V^z\right)
                      +(-\partial_y V^x + \partial_x V^y)e_x \wedge e_y + (-\partial_z V^x + \partial_x V^z)e_x \wedge e_z + (-\partial_z V^y + \partial_y V^z)e_y \wedge e_z
 In [ ]:
```