General Instantiation: $A = \left\{ \begin{array}{ll} L\left(\boldsymbol{e_x}\right) = & A_{xx}\boldsymbol{e_x} + A_{yx}\boldsymbol{e_y} + A_{zx}\boldsymbol{e_z} \\ L\left(\boldsymbol{e_y}\right) = & A_{xy}\boldsymbol{e_x} + A_{yy}\boldsymbol{e_y} + A_{zy}\boldsymbol{e_z} \\ L\left(\boldsymbol{e_z}\right) = & A_{xz}\boldsymbol{e_x} + A_{yz}\boldsymbol{e_y} + A_{zz}\boldsymbol{e_z} \end{array} \right\}$

Rotor: $R = \cos\left(\frac{\theta}{2}\right) + \sin\left(\frac{\theta}{2}\right)\boldsymbol{e_x} \wedge \boldsymbol{e_y}$

Rotor Instantiation: $B = \left\{ \begin{array}{ll} L\left(\boldsymbol{e_x}\right) = & \cos\left(\theta\right)\boldsymbol{e_x} - \sin\left(\theta\right)\boldsymbol{e_y} \\ L\left(\boldsymbol{e_y}\right) = & \sin\left(\theta\right)\boldsymbol{e_x} + \cos\left(\theta\right)\boldsymbol{e_y} \\ L\left(\boldsymbol{e_z}\right) = & \boldsymbol{e_z} \end{array} \right\}$

Dictionary $= \left\{\boldsymbol{e_x} : \boldsymbol{e_y} + \boldsymbol{e_z}, \quad \boldsymbol{e_y} : \boldsymbol{e_x} + \boldsymbol{e_z}, \quad \boldsymbol{e_z} : \boldsymbol{e_y} + \boldsymbol{e_z}\right\}$

Dictionary Instantiation: $C = \left\{ \begin{array}{ll} L\left(\boldsymbol{e_x}\right) = & 0 \\ L\left(\boldsymbol{e_y}\right) = & 0 \\ L\left(\boldsymbol{e_z}\right) = & 0 \end{array} \right\}$

List $= \left[\left[1, \quad 0, \quad 1\right], \quad \left[0, \quad 1, \quad 0\right], \quad \left[1, \quad 0, \quad 1\right]\right]$

List Instantiation: $D = \left\{ \begin{array}{ll} L\left(\boldsymbol{e_x}\right) = & \boldsymbol{e_x} + \boldsymbol{e_z} \\ L\left(\boldsymbol{e_y}\right) = & \boldsymbol{e_y} \\ L\left(\boldsymbol{e_z}\right) = & \boldsymbol{e_x} + \boldsymbol{e_z} \end{array} \right\}$

List $= \left[\boldsymbol{e_y} + \boldsymbol{e_z}, \quad \boldsymbol{e_x} + \boldsymbol{e_z}, \quad \boldsymbol{e_x} + \boldsymbol{e_y}\right]$

List Instantiation: $E = \left\{ \begin{array}{ll} L\left(\boldsymbol{e_x}\right) = & \boldsymbol{e_y} + \boldsymbol{e_z} \\ L\left(\boldsymbol{e_y}\right) = & \boldsymbol{e_x} + \boldsymbol{e_z} \\ L\left(\boldsymbol{e_z}\right) = & \boldsymbol{e_x} + \boldsymbol{e_y} \end{array} \right\}$