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In[ ]:= P[0] = {0, 0, 0};
        P[1] = {1, 2, 0};
        P[2] = {-2, 0, 1};
        (* P[3]={3,1,0}; *)
        P[4] = {-1, 2, 1};
        P[5] = {0, -2, 2};
        P[6] = {0, -1, 1};

In[ ]:= a = 1 / 5;

In[ ]:= P[3] = (1 - a) P[2] + a P[4];

In[ ]:= b[k_] [t_] := Binomial[3, k] t^k (1 - t)^(3 - k)

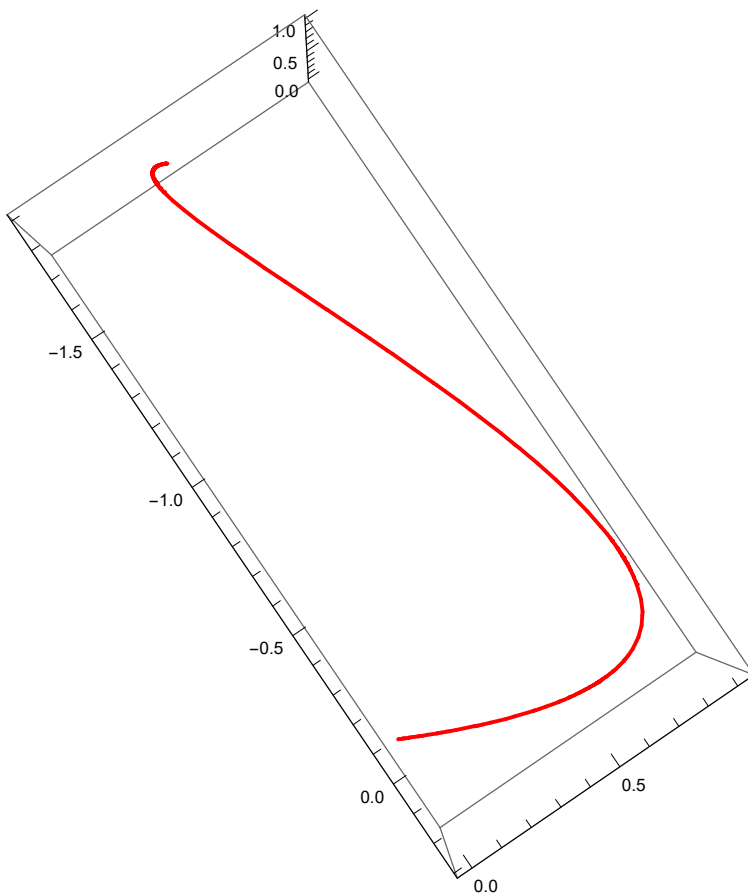
In[ ]:= Polig1 = Graphics3D[{Red, Line[Table[P[i], {i, 0, 3}]]}];
        Polig2 = Graphics3D[{Green, Line[Table[P[i], {i, 3, 6}]]}];

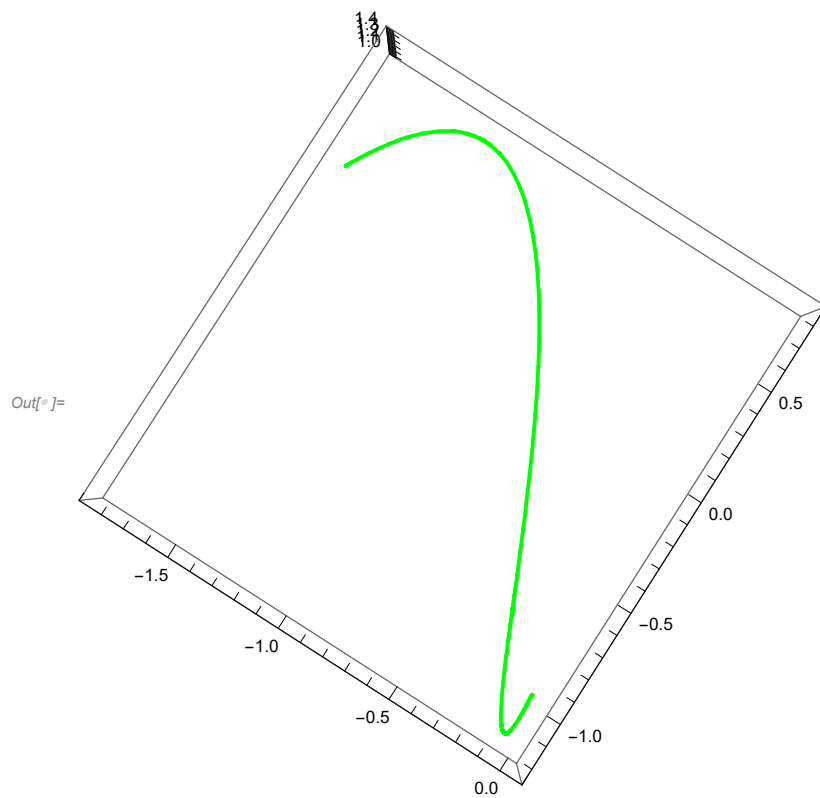
In[ ]:= Bez1 = ParametricPlot3D[ $\sum_{k=0}^3 b[k][t] \times P[k]$ , {t, 0, 1}, PlotStyle → Red]

        Bez2 = ParametricPlot3D[ $\sum_{k=0}^3 b[k][t] \times P[k+3]$ , {t, 0, 1}, PlotStyle → Green]

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Out[]:=





In[⁶]:= **Show[Polig1, Bez1, Polig2, Bez2]**

