```
In[•]:= RandomVariate[NormalDistribution[], 3]
Out[•]= {-0.330984, 1.26351, 0.207526}

In[•]:= YBK[n_] := Module[{γ, p},
          γ = {{0, 0, 0}, p = RandomVariate[NormalDistribution[], 3]};
          Do[AppendTo[γ,
             p = p + RandomVariate[NormalDistribution[], 3] -
               0.25 p / Norm[p] + Sum[(p - q) e^-(p-q)·(p-q), {q, γ}] / Length[γ]
           ],
           {n - 1}
          ];
          γ
         ];
        γ = YBK[10000];
        MinMax /@ Transpose[γ]
        Graphics3D[Line[γ]]
```

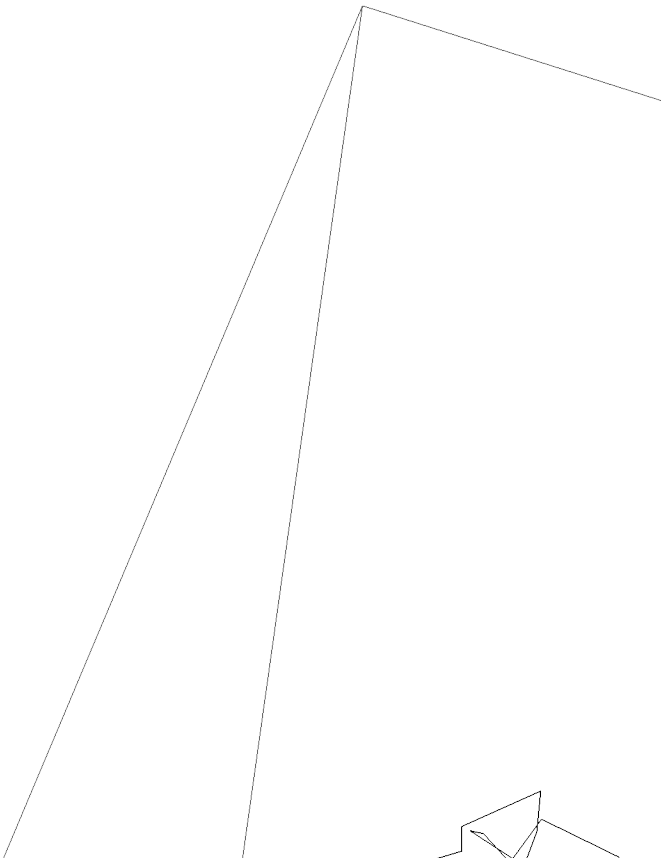
General: Exp[−710.677] is too small to represent as a normalized machine number; precision may be lost.

General: Exp[−718.448] is too small to represent as a normalized machine number; precision may be lost.

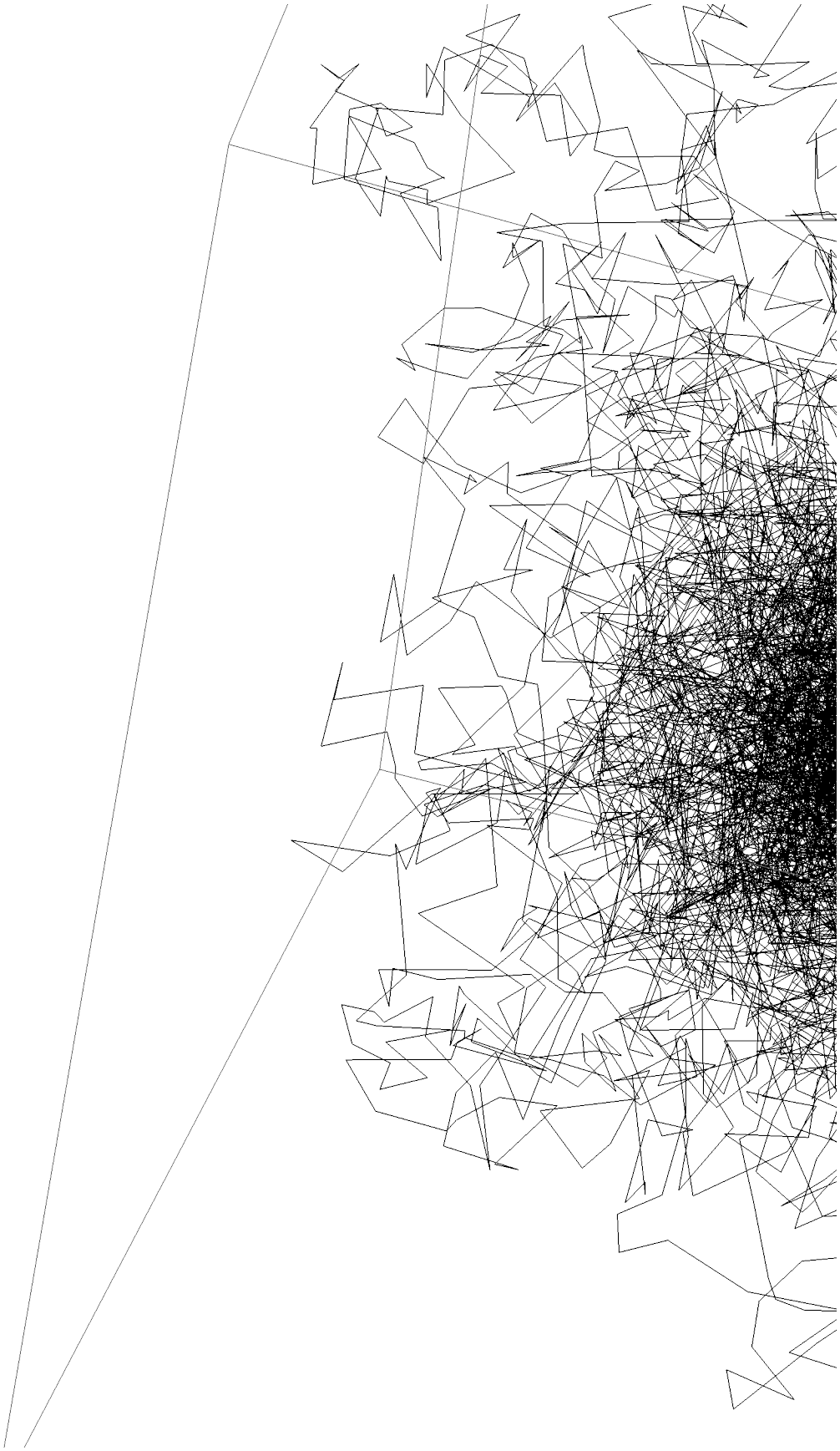
General: Exp[−712.665] is too small to represent as a normalized machine number; precision may be lost.

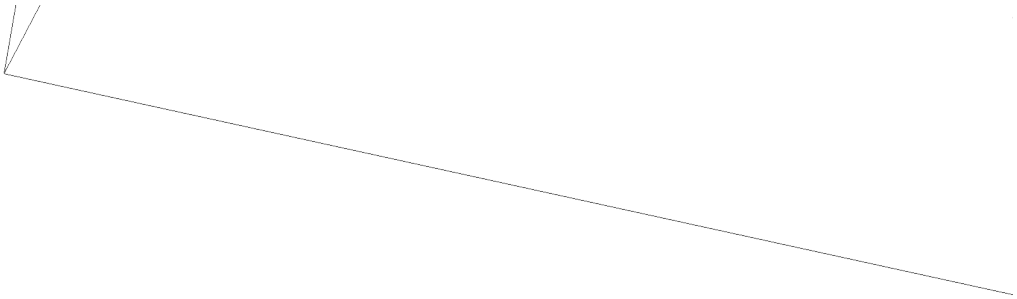
General: Further output of General::munfl will be suppressed during this calculation.

```
Out[•]= {{-15.5354, 21.9332}, {-12.2047, 14.7853}, {-13.1711, 16.3936}}
```



Out[•]=





In[•]:=
```
γ1 = γ;
```

In[•]:=
```
YBK[n_] := Module[{γ, p},
   γ = {{0, 0, 0}}; p = RandomVariate[NormalDistribution[], 3];
   Do[AppendTo[γ,
     p = p + RandomVariate[NormalDistribution[], 3] -
       0.25 p / Norm[p] + 2 Sum[(p - q) ℯ^(-0.25 (p-q).(p-q)), {q, γ}] / Length[γ]
    ],
    {n - 1}
   ];
   γ
  ];
γ = YBK[10000];
MinMax /@ Transpose[γ]
Graphics3D[Line[γ]]
```

Out[•]=
```
{{-16.1575, 12.0609}, {-14.2815, 14.7874}, {-18.9788, 14.235}}
```

Out[•]=