A very large output was generated. Here is a sample of it:

```xml
<COMMENT Title="Database of Ideal knots" />
<COMMENT Author="Brian Gilbert" />
<COMMENT Date="10/11/2008 12:30:12 p.m." />
<AB Id="3:1:1" Conway="3" L="16.372861" D="1.000000">
  <Coeff I= 1 A="0.374743...51,-0.000089,-0.000023" />
  <Coeff I= 99 A="-0.000012,-0.000101,0.000023" B="0.000008,0.000021,-0.000095" />
  <Coeff I=100 A="-0.000019,0.000053,0.000013" B="-0.000009,-0.000046,-0.000075" />
</AB>
```

(*) `ideall=Import["C:\dorbn\People\Gilbert\ideal.txt", "String"] *`

```mathematica
ideal = "<data>" <> StringReplace[ideall, 
  "I=" "... -- i:(DigitCharacter ..) \[\rightarrow\] "I=" "i <> "\""] <> "</data>";

(* xml=ImportString[ideal, "XML"]; *)
```

```mathematica
data = Cases[ImportString[ideal, "XML"],XMLElement["AB", ab___] \[\rightarrow\] AB[ab], Infinity];
```
Length[data]
250

ProcessAB[ab_AB] := Module[
   {Id, CS, L, n, c, k, K, coeffs},
   {Id, CS, L} = {"Id", "Conway", "L"} /. ab[[1]];
   {n, c, k} = ToExpression /@ StringSplit[Id, ":"]; If[n == 10 && 161 < k <= 166, --k];
   K = Knot[n, k];
   coeffs = ab[[2]] /.
   XMLElement["Coeff", l_List, {}] :> {
      ToExpression["I" /. l],
      ToExpression["(" <> ("A" /. l) <> ")"]],
      ToExpression["(" <> ("B" /. l) <> ")"]]
    };
   If[c == 1,
      RopeLength[K] = ToExpression[L];
      ConwayString[K] = CS;
      IdealPresentationData[K] = coeffs;
      K,
      Print["Trouble in ", K]
    ];
   IdealPresentation[K_Knot][t_] := Plus @@ IdealPresentationData[K] /. {
    (i_, A_List, B_List) :> A Cos[i t] + B Sin[i t]
   }]

Ks = Union[ProcessAB /@ data];

Max[RopeLength /@ Ks]
46.2629

RopeLength[Knot[0, 1]] = N[Pi];
IdealPresentationData[Knot[0, 1]] = {{1, {1, 0, 0}, {0, 1, 0}}};
ParametricPlot3D[IdealPresentation[Knot[0, 1]][t], {t, 0, 2 Pi}]

ParametricPlot3D[IdealPresentation[Knot[3, 1]][t], {t, 0, 2 Pi}]