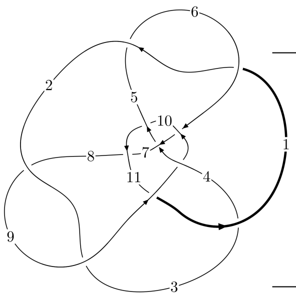
$11n_{176}$ ($K11n_{176}$)



A knot diagram[1]

Linearized knot diagam

$$\rightarrow\uparrow\rightarrow\uparrow\rightarrow\downarrow\rightarrow\uparrow\rightarrow\uparrow\rightarrow\downarrow\rightarrow\uparrow\rightarrow\uparrow\rightarrow\uparrow\rightarrow\downarrow\rightarrow\uparrow\rightarrow$$

6 9 1 7 2 10 11 2 4 5 9

Solving Sequence

$$1{,}6 \underset{c_1}{\longrightarrow} 2{,}9 \underset{c_2}{\longrightarrow} 3 \underset{c_3}{\longrightarrow} 4 \underset{c_5}{\longrightarrow} 5 \underset{c_8}{\longrightarrow} 8 \underset{c_{11}}{\longrightarrow} 11 \underset{c_7}{\longrightarrow} 7 \underset{c_{10}}{\longrightarrow} 10 \twoheadrightarrow c_4, c_6, c_9$$

Ideals for irreducible components[2] of $X_{\mathbf{par}}$

$$\begin{aligned}
I_1^u = \langle & 9.28358 \times 10^{73} u^{46} + 4.54756 \times 10^{74} u^{45} + \cdots + 1.24850 \times 10^{77} b + 1.15944 \times 10^{77}, \\
& 2.16945 \times 10^{75} u^{46} - 2.78753 \times 10^{76} u^{45} + \cdots + 3.74550 \times 10^{77} a - 4.53039 \times 10^{78},\ u^{47} - u^{46} + \cdots - 21u + 6 \\
I_2^u = \langle & 411u^{15} + 80u^{14} + \cdots + 327b - 544,\ 1184u^{15} + 48u^{14} + \cdots + 327a + 175, \\
& u^{16} + 4u^{14} + u^{13} + 3u^{12} - 10u^{10} - 9u^9 - 30u^8 - 19u^7 - 33u^6 - 18u^5 - 21u^4 - 10u^3 - 7u^2 - 2u - 1 \rangle
\end{aligned}$$

* 2 irreducible components of $\dim_{\mathbb{C}} = 0$, with total 63 representations.

[1] The image of knot diagram is generated by the software "**Draw programme**" developed by Andrew Bartholomew(`http://www.layer8.co.uk/maths/draw/index.htm#Running-draw`), where we modified some parts for our purpose(`https://github.com/CATsTAILs/LinksPainter`).

[2] All coefficients of polynomials are rational numbers. But the coefficients are sometimes approximated in decimal forms when there is not enough margin.

I.
$\boldsymbol{I_1^u = \langle 9.28 \times 10^{73} u^{46} + 4.55 \times 10^{74} u^{45} + \cdots + 1.25 \times 10^{77} b + 1.16 \times 10^{77},\ 2.17 \times 10^{75} u^{46} - 2.79 \times 10^{76} u^{45} + \cdots + 3.75 \times 10^{77} a - 4.53 \times 10^{78},\ u^{47} - u^{46} + \cdots - 21u + 6\rangle}$

(i) Arc colorings

$$a_1 = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$
$$a_6 = \begin{pmatrix} 0 \\ u \end{pmatrix}$$
$$a_2 = \begin{pmatrix} 1 \\ -u^2 \end{pmatrix}$$
$$a_9 = \begin{pmatrix} -0.00579214u^{46} + 0.0744235u^{45} + \cdots + 7.90890u + 12.0956 \\ -0.000743579u^{46} - 0.00364242u^{45} + \cdots + 0.922897u - 0.928667 \end{pmatrix}$$
$$a_3 = \begin{pmatrix} -0.0143049u^{46} + 0.0978976u^{45} + \cdots + 4.71215u + 13.6102 \\ 0.0228505u^{46} - 0.0369206u^{45} + \cdots + 1.75270u - 0.870753 \end{pmatrix}$$
$$a_4 = \begin{pmatrix} -0.0371555u^{46} + 0.134818u^{45} + \cdots + 2.95945u + 14.4810 \\ 0.0228505u^{46} - 0.0369206u^{45} + \cdots + 1.75270u - 0.870753 \end{pmatrix}$$
$$a_5 = \begin{pmatrix} -u \\ u^3 + u \end{pmatrix}$$
$$a_8 = \begin{pmatrix} -0.0170297u^{46} + 0.0889078u^{45} + \cdots + 5.50999u + 13.4360 \\ -0.00951166u^{46} + 0.00323251u^{45} + \cdots + 0.787290u - 0.909186 \end{pmatrix}$$
$$a_{11} = \begin{pmatrix} -0.0661464u^{46} + 0.0255355u^{45} + \cdots - 15.5094u - 5.85559 \\ -0.00201782u^{46} + 0.0234904u^{45} + \cdots - 1.29675u + 0.627088 \end{pmatrix}$$
$$a_7 = \begin{pmatrix} -0.235637u^{46} + 0.255083u^{45} + \cdots - 29.2766u + 8.54904 \\ -0.0237208u^{46} + 0.0372482u^{45} + \cdots + 0.0651824u - 0.264345 \end{pmatrix}$$
$$a_{10} = \begin{pmatrix} -0.0864183u^{46} + 0.0400257u^{45} + \cdots - 15.5328u - 5.69635 \\ 0.00595648u^{46} + 0.0186824u^{45} + \cdots - 1.27359u + 0.433152 \end{pmatrix}$$
$$a_{10} = \begin{pmatrix} -0.0864183u^{46} + 0.0400257u^{45} + \cdots - 15.5328u - 5.69635 \\ 0.00595648u^{46} + 0.0186824u^{45} + \cdots - 1.27359u + 0.433152 \end{pmatrix}$$

(ii) Obstruction class $= -1$

(iii) Cusp Shapes $= -0.581599u^{46} + 0.705867u^{45} + \cdots - 67.0569u + 21.0318$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1, c_5	$u^{47} - u^{46} + \cdots - 21u + 6$
c_2, c_8	$u^{47} - u^{46} + \cdots - 17271u + 4993$
c_3	$u^{47} - 4u^{46} + \cdots + 503u - 103$
c_4	$u^{47} + 3u^{46} + \cdots + 3u + 1$
c_6	$u^{47} + 5u^{46} + \cdots + 25u - 25$
c_7	$u^{47} + u^{46} + \cdots - 9496u + 1136$
c_9	$u^{47} + 2u^{46} + \cdots - 115u - 38$
c_{10}	$u^{47} - 9u^{45} + \cdots + 1771u - 137$
c_{11}	$u^{47} + 26u^{45} + \cdots - 7818u + 1097$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1, c_5	$y^{47} + 35y^{46} + \cdots - 1923y - 36$
c_2, c_8	$y^{47} + 67y^{46} + \cdots - 225548161y - 24930049$
c_3	$y^{47} - 58y^{46} + \cdots + 257953y - 10609$
c_4	$y^{47} - 7y^{46} + \cdots + 9y - 1$
c_6	$y^{47} - y^{46} + \cdots + 17375y - 625$
c_7	$y^{47} + 33y^{46} + \cdots + 121024y - 1290496$
c_9	$y^{47} - 22y^{46} + \cdots + 9957y - 1444$
c_{10}	$y^{47} - 18y^{46} + \cdots + 2612553y - 18769$
c_{11}	$y^{47} + 52y^{46} + \cdots + 1652754y - 1203409$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = -0.773512 + 0.492443I$ $a = 0.425302 - 0.252935I$ $b = 0.018902 + 0.913672I$	$1.18695 + 2.20702I$	$6.40904 - 2.67371I$
$u = -0.773512 - 0.492443I$ $a = 0.425302 + 0.252935I$ $b = 0.018902 - 0.913672I$	$1.18695 - 2.20702I$	$6.40904 + 2.67371I$
$u = 0.532721 + 0.951033I$ $a = 0.114543 + 0.789067I$ $b = 0.205803 + 0.637663I$	$-0.32563 + 3.32812I$	$4.47407 - 5.56859I$
$u = 0.532721 - 0.951033I$ $a = 0.114543 - 0.789067I$ $b = 0.205803 - 0.637663I$	$-0.32563 - 3.32812I$	$4.47407 + 5.56859I$
$u = 0.566468 + 0.943415I$ $a = 0.177396 + 0.352172I$ $b = 0.162886 + 0.570692I$	$-0.16355 + 3.21246I$	$2.46572 - 3.89028I$
$u = 0.566468 - 0.943415I$ $a = 0.177396 - 0.352172I$ $b = 0.162886 - 0.570692I$	$-0.16355 - 3.21246I$	$2.46572 + 3.89028I$
$u = 0.120942 + 1.100590I$ $a = 0.380545 - 1.251690I$ $b = 1.012370 - 0.893281I$	$-0.026486 - 0.766540I$	$4.20873 + 2.92644I$
$u = 0.120942 - 1.100590I$ $a = 0.380545 + 1.251690I$ $b = 1.012370 + 0.893281I$	$-0.026486 + 0.766540I$	$4.20873 - 2.92644I$
$u = -1.089520 + 0.393683I$ $a = 0.293954 + 0.011791I$ $b = -0.37684 - 1.53640I$	$-6.00687 - 1.21428I$	$0. + 1.82170I$
$u = -1.089520 - 0.393683I$ $a = 0.293954 - 0.011791I$ $b = -0.37684 + 1.53640I$	$-6.00687 + 1.21428I$	$0. - 1.82170I$

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol} + \sqrt{-1}CS)$	Cusp shape
$u = -0.559473 + 1.085530I$ $a = -0.723467 - 0.239741I$ $b = 0.109730 - 0.820940I$	$-0.67448 - 7.25675I$	$0. + 8.76697I$
$u = -0.559473 - 1.085530I$ $a = -0.723467 + 0.239741I$ $b = 0.109730 + 0.820940I$	$-0.67448 + 7.25675I$	$0. - 8.76697I$
$u = -0.222144 + 1.218960I$ $a = 0.233025 + 0.690594I$ $b = -0.662108 + 0.421221I$	$-3.99416 + 0.19865I$	0
$u = -0.222144 - 1.218960I$ $a = 0.233025 - 0.690594I$ $b = -0.662108 - 0.421221I$	$-3.99416 - 0.19865I$	0
$u = -0.135940 + 1.249240I$ $a = -0.24140 - 2.25011I$ $b = 0.46236 - 1.85158I$	$-5.37560 - 5.09376I$	$5.00000 + 5.21914I$
$u = -0.135940 - 1.249240I$ $a = -0.24140 + 2.25011I$ $b = 0.46236 + 1.85158I$	$-5.37560 + 5.09376I$	$5.00000 - 5.21914I$
$u = 0.008414 + 1.269400I$ $a = -0.17728 + 2.28677I$ $b = 0.34057 + 1.47157I$	$-7.89928 + 0.59442I$	0
$u = 0.008414 - 1.269400I$ $a = -0.17728 - 2.28677I$ $b = 0.34057 - 1.47157I$	$-7.89928 - 0.59442I$	0
$u = 0.397415 + 0.585722I$ $a = 0.858641 - 0.085959I$ $b = 0.442468 - 0.043886I$	$0.847784 + 0.991810I$	$7.10163 - 6.37542I$
$u = 0.397415 - 0.585722I$ $a = 0.858641 + 0.085959I$ $b = 0.442468 + 0.043886I$	$0.847784 - 0.991810I$	$7.10163 + 6.37542I$

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u=-0.225548+0.638119I$ $a=\ \ 1.033440+0.803339I$ $b=\ \ 0.046181-0.992925I$	$-5.18251-1.11302I$	$0.53819+5.95442I$
$u=-0.225548-0.638119I$ $a=\ \ 1.033440-0.803339I$ $b=\ \ 0.046181+0.992925I$	$-5.18251+1.11302I$	$0.53819-5.95442I$
$u=\ \ 0.038224+0.668626I$ $a=\ \ 1.304070-0.196382I$ $b=\ \ 0.813691+0.238509I$	$0.890036+1.096420I$	$7.02928-5.72666I$
$u=\ \ 0.038224-0.668626I$ $a=\ \ 1.304070+0.196382I$ $b=\ \ 0.813691-0.238509I$	$0.890036-1.096420I$	$7.02928+5.72666I$
$u=-1.36636$ $a=-1.35558$ $b=\ \ 1.02511$	6.55372	22.3580
$u=-0.142302+1.399620I$ $a=-0.437418+0.681680I$ $b=\ \ 0.707328+0.658989I$	$0.04235-4.49004I$	0
$u=-0.142302-1.399620I$ $a=-0.437418-0.681680I$ $b=\ \ 0.707328-0.658989I$	$0.04235+4.49004I$	0
$u=-0.43399+1.44976I$ $a=-0.68286-1.56290I$ $b=\ \ 0.05165-1.95982I$	$-11.62380-6.41934I$	0
$u=-0.43399-1.44976I$ $a=-0.68286+1.56290I$ $b=\ \ 0.05165+1.95982I$	$-11.62380+6.41934I$	0
$u=\ \ 0.32663+1.48436I$ $a=-0.179586-0.501442I$ $b=-1.55279-0.21910I$	$-1.89529+6.16204I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol} + \sqrt{-1}CS)$	Cusp shape
$u = 0.32663 - 1.48436I$ $a = -0.179586 + 0.501442I$ $b = -1.55279 + 0.21910I$	$-1.89529 - 6.16204I$	0
$u = 1.52172 + 0.04362I$ $a = 0.1136510 + 0.0768899I$ $b = -0.26031 + 1.86850I$	$-3.81730 - 7.05587I$	0
$u = 1.52172 - 0.04362I$ $a = 0.1136510 - 0.0768899I$ $b = -0.26031 - 1.86850I$	$-3.81730 + 7.05587I$	0
$u = 0.04978 + 1.52738I$ $a = 0.10416 + 1.74062I$ $b = 0.01532 + 1.71376I$	$-8.82034 + 3.57353I$	0
$u = 0.04978 - 1.52738I$ $a = 0.10416 - 1.74062I$ $b = 0.01532 - 1.71376I$	$-8.82034 - 3.57353I$	0
$u = 1.54191$ $a = 1.02710$ $b = -1.53198$	4.27834	0
$u = -0.76218 + 1.43981I$ $a = 0.91525 + 1.17056I$ $b = -0.76117 + 1.69718I$	$-9.04480 - 6.06544I$	0
$u = -0.76218 - 1.43981I$ $a = 0.91525 - 1.17056I$ $b = -0.76117 - 1.69718I$	$-9.04480 + 6.06544I$	0
$u = -0.190847 + 0.310941I$ $a = 1.112970 + 0.105678I$ $b = 0.339070 + 1.341850I$	$-2.24296 + 3.68122I$	$1.56886 + 2.39852I$
$u = -0.190847 - 0.310941I$ $a = 1.112970 - 0.105678I$ $b = 0.339070 - 1.341850I$	$-2.24296 - 3.68122I$	$1.56886 - 2.39852I$

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = 0.362669$ $a = 0.988687$ $b = 0.580670$	1.51314	7.48840
$u = 0.65497 + 1.51204I$ $a = 0.77642 - 1.33598I$ $b = -0.62901 - 1.84217I$	$-8.5771 + 14.5345I$	0
$u = 0.65497 - 1.51204I$ $a = 0.77642 + 1.33598I$ $b = -0.62901 + 1.84217I$	$-8.5771 - 14.5345I$	0
$u = 0.078087 + 0.175150I$ $a = 10.95150 + 4.13339I$ $b = -0.620164 - 0.192865I$	$4.93463 + 4.05841I$	$18.1534 - 7.4874I$
$u = 0.078087 - 0.175150I$ $a = 10.95150 - 4.13339I$ $b = -0.620164 + 0.192865I$	$4.93463 - 4.05841I$	$18.1534 + 7.4874I$
$u = 0.47098 + 1.75190I$ $a = -0.432971 + 1.203300I$ $b = 0.09716 + 2.03256I$	$-9.95883 + 0.76536I$	0
$u = 0.47098 - 1.75190I$ $a = -0.432971 - 1.203300I$ $b = 0.09716 - 2.03256I$	$-9.95883 - 0.76536I$	0

II. $\boldsymbol{I_2^u = \langle 411u^{15} + 80u^{14} + \cdots + 327b - 544,\ 1184u^{15} + 48u^{14} + \cdots + 327a + 175,\ u^{16} + 4u^{14} + \cdots - 2u - 1\rangle}$

(i) Arc colorings

$$a_1 = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$
$$a_6 = \begin{pmatrix} 0 \\ u \end{pmatrix}$$
$$a_2 = \begin{pmatrix} 1 \\ -u^2 \end{pmatrix}$$
$$a_9 = \begin{pmatrix} -3.62080u^{15} - 0.146789u^{14} + \cdots + 7.28440u - 0.535168 \\ -1.25688u^{15} - 0.244648u^{14} + \cdots + 3.14067u + 1.66361 \end{pmatrix}$$
$$a_3 = \begin{pmatrix} 3.38838u^{15} + 0.290520u^{14} + \cdots - 6.79205u + 2.69113 \\ -0.244648u^{15} + 0.782875u^{14} + \cdots - 0.850153u - 0.256881 \end{pmatrix}$$
$$a_4 = \begin{pmatrix} 3.63303u^{15} - 0.492355u^{14} + \cdots - 5.94190u + 2.94801 \\ -0.244648u^{15} + 0.782875u^{14} + \cdots - 0.850153u - 0.256881 \end{pmatrix}$$
$$a_5 = \begin{pmatrix} -u \\ u^3 + u \end{pmatrix}$$
$$a_8 = \begin{pmatrix} -4.36697u^{15} + 0.507645u^{14} + \cdots + 8.05810u - 2.05199 \\ -1.22936u^{15} - 0.266055u^{14} + \cdots + 2.57798u + 1.00917 \end{pmatrix}$$
$$a_{11} = \begin{pmatrix} 0.996942u^{15} + 0.743119u^{14} + \cdots - 5.75229u - 0.519878 \\ 0.155963u^{15} + 0.100917u^{14} + \cdots - 1.63303u - 0.486239 \end{pmatrix}$$
$$a_7 = \begin{pmatrix} -0.345566u^{15} + 0.972477u^{14} + \cdots - 6.00917u - 4.74618 \\ 0.207951u^{15} - 0.865443u^{14} + \cdots - 1.17737u + 0.0183486 \end{pmatrix}$$
$$a_{10} = \begin{pmatrix} 1.65749u^{15} - 0.103976u^{14} + \cdots - 4.59021u - 0.559633 \\ -0.0152905u^{15} - 0.284404u^{14} + \cdots - 1.76147u + 0.400612 \end{pmatrix}$$
$$a_{10} = \begin{pmatrix} 1.65749u^{15} - 0.103976u^{14} + \cdots - 4.59021u - 0.559633 \\ -0.0152905u^{15} - 0.284404u^{14} + \cdots - 1.76147u + 0.400612 \end{pmatrix}$$

(ii) Obstruction class $= 1$

(iii) Cusp Shapes $= -\frac{285}{109}u^{15} + \frac{11}{327}u^{14} + \cdots + \frac{4073}{327}u - \frac{271}{327}$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1	$u^{16} + 4u^{14} + \cdots - 2u - 1$
c_2	$u^{16} + 4u^{14} + \cdots - 3u - 1$
c_3	$u^{16} + 7u^{15} + \cdots + 27u + 9$
c_4	$u^{16} + 4u^{15} + \cdots + u + 1$
c_5	$u^{16} + 4u^{14} + \cdots + 2u - 1$
c_6	$u^{16} + 2u^{14} + \cdots + 3u + 1$
c_7	$u^{16} - 2u^{15} + \cdots + 18u - 1$
c_8	$u^{16} + 4u^{14} + \cdots + 3u - 1$
c_9	$u^{16} - u^{15} + \cdots - 21u^2 + 5$
c_{10}	$u^{16} - u^{15} + \cdots - u - 1$
c_{11}	$u^{16} - 3u^{15} + \cdots - 2u - 1$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1, c_5	$y^{16} + 8y^{15} + \cdots + 10y + 1$
c_2, c_8	$y^{16} + 8y^{15} + \cdots - 15y + 1$
c_3	$y^{16} - 17y^{15} + \cdots - 225y + 81$
c_4	$y^{16} - 6y^{15} + \cdots - 9y + 1$
c_6	$y^{16} + 4y^{15} + \cdots - 15y + 1$
c_7	$y^{16} + 6y^{15} + \cdots - 364y + 1$
c_9	$y^{16} - 13y^{15} + \cdots - 210y + 25$
c_{10}	$y^{16} - y^{15} + \cdots - 13y + 1$
c_{11}	$y^{16} + 5y^{15} + \cdots - 10y + 1$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_2^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = -0.351578 + 0.904816I$ $a = 1.052930 + 0.365066I$ $b = 0.941434 + 0.633888I$	$1.037660 - 0.078170I$	$8.99757 - 0.56181I$
$u = -0.351578 - 0.904816I$ $a = 1.052930 - 0.365066I$ $b = 0.941434 - 0.633888I$	$1.037660 + 0.078170I$	$8.99757 + 0.56181I$
$u = -0.426826 + 0.970389I$ $a = 0.491146 - 0.758867I$ $b = 0.744279 - 0.333017I$	$0.63338 - 3.05324I$	$12.18746 + 3.83561I$
$u = -0.426826 - 0.970389I$ $a = 0.491146 + 0.758867I$ $b = 0.744279 + 0.333017I$	$0.63338 + 3.05324I$	$12.18746 - 3.83561I$
$u = 0.437533 + 0.756284I$ $a = -0.346240 + 0.869346I$ $b = 0.380134 - 0.976408I$	$-4.94918 + 0.09603I$	$3.84796 + 1.04513I$
$u = 0.437533 - 0.756284I$ $a = -0.346240 - 0.869346I$ $b = 0.380134 + 0.976408I$	$-4.94918 - 0.09603I$	$3.84796 - 1.04513I$
$u = -1.33401$ $a = -1.14234$ $b = 1.45019$	4.66021	14.5890
$u = 0.045118 + 0.600191I$ $a = -4.18562 - 0.13881I$ $b = -0.457773 + 0.219345I$	$4.54626 - 3.92164I$	$-0.825014 + 0.819860I$
$u = 0.045118 - 0.600191I$ $a = -4.18562 + 0.13881I$ $b = -0.457773 - 0.219345I$	$4.54626 + 3.92164I$	$-0.825014 - 0.819860I$
$u = -0.426918 + 0.416046I$ $a = -0.794820 - 0.479672I$ $b = 0.231103 - 1.368400I$	$-2.10953 - 4.31438I$	$3.92733 + 9.24718I$

Solutions to I_2^u	$\sqrt{-1}(\mathrm{vol} + \sqrt{-1}CS)$	Cusp shape
$u = -0.426918 - 0.416046I$ $a = -0.794820 + 0.479672I$ $b = 0.231103 + 1.368400I$	$-2.10953 + 4.31438I$	$3.92733 - 9.24718I$
$u = 0.473070 + 1.323390I$ $a = 0.394143 + 0.116229I$ $b = -0.686442 + 0.076962I$	$0.84655 + 6.12118I$	$6.68270 - 6.03281I$
$u = 0.473070 - 1.323390I$ $a = 0.394143 - 0.116229I$ $b = -0.686442 - 0.076962I$	$0.84655 - 6.12118I$	$6.68270 + 6.03281I$
$u = 1.52605$ $a = 1.18323$ $b = -1.02090$	6.23435	-3.38260
$u = 0.15358 + 1.53821I$ $a = -0.13199 + 1.70834I$ $b = 0.13262 + 1.73681I$	$-8.74229 + 3.03673I$	$2.57896 + 2.26924I$
$u = 0.15358 - 1.53821I$ $a = -0.13199 - 1.70834I$ $b = 0.13262 - 1.73681I$	$-8.74229 - 3.03673I$	$2.57896 - 2.26924I$

III. u-Polynomials

Crossings	u-Polynomials at each crossing
c_1	$(u^{16}+4u^{14}+\cdots-2u-1)(u^{47}-u^{46}+\cdots-21u+6)$
c_2	$(u^{16}+4u^{14}+\cdots-3u-1)(u^{47}-u^{46}+\cdots-17271u+4993)$
c_3	$(u^{16}+7u^{15}+\cdots+27u+9)(u^{47}-4u^{46}+\cdots+503u-103)$
c_4	$(u^{16}+4u^{15}+\cdots+u+1)(u^{47}+3u^{46}+\cdots+3u+1)$
c_5	$(u^{16}+4u^{14}+\cdots+2u-1)(u^{47}-u^{46}+\cdots-21u+6)$
c_6	$(u^{16}+2u^{14}+\cdots+3u+1)(u^{47}+5u^{46}+\cdots+25u-25)$
c_7	$(u^{16}-2u^{15}+\cdots+18u-1)(u^{47}+u^{46}+\cdots-9496u+1136)$
c_8	$(u^{16}+4u^{14}+\cdots+3u-1)(u^{47}-u^{46}+\cdots-17271u+4993)$
c_9	$(u^{16}-u^{15}+\cdots-21u^2+5)(u^{47}+2u^{46}+\cdots-115u-38)$
c_{10}	$(u^{16}-u^{15}+\cdots-u-1)(u^{47}-9u^{45}+\cdots+1771u-137)$
c_{11}	$(u^{16}-3u^{15}+\cdots-2u-1)(u^{47}+26u^{45}+\cdots-7818u+1097)$

IV. Riley Polynomials

Crossings	Riley Polynomials at each crossing
c_1, c_5	$(y^{16} + 8y^{15} + \cdots + 10y + 1)(y^{47} + 35y^{46} + \cdots - 1923y - 36)$
c_2, c_8	$(y^{16} + 8y^{15} + \cdots - 15y + 1)$ $\cdot (y^{47} + 67y^{46} + \cdots - 225548161y - 24930049)$
c_3	$(y^{16} - 17y^{15} + \cdots - 225y + 81)$ $\cdot (y^{47} - 58y^{46} + \cdots + 257953y - 10609)$
c_4	$(y^{16} - 6y^{15} + \cdots - 9y + 1)(y^{47} - 7y^{46} + \cdots + 9y - 1)$
c_6	$(y^{16} + 4y^{15} + \cdots - 15y + 1)(y^{47} - y^{46} + \cdots + 17375y - 625)$
c_7	$(y^{16} + 6y^{15} + \cdots - 364y + 1)$ $\cdot (y^{47} + 33y^{46} + \cdots + 121024y - 1290496)$
c_9	$(y^{16} - 13y^{15} + \cdots - 210y + 25)(y^{47} - 22y^{46} + \cdots + 9957y - 1444)$
c_{10}	$(y^{16} - y^{15} + \cdots - 13y + 1)(y^{47} - 18y^{46} + \cdots + 2612553y - 18769)$
c_{11}	$(y^{16} + 5y^{15} + \cdots - 10y + 1)$ $\cdot (y^{47} + 52y^{46} + \cdots + 1652754y - 1203409)$