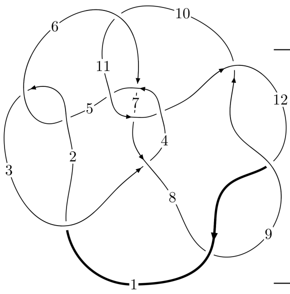
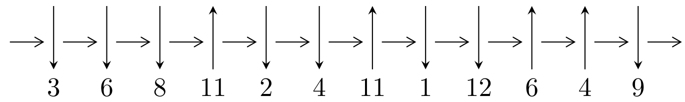
$12n_{0324}$ ($K12n_{0324}$)



A knot diagram[1]

Linearized knot diagam



Solving Sequence

$$4,6 \xrightarrow[c_6]{} 7,12 \xrightarrow[c_{11}]{} 11 \xrightarrow[c_7]{} 8 \xrightarrow[c_3]{} 3 \xrightarrow[c_2]{} 2 \xrightarrow[c_1]{} 1 \xrightarrow[c_5]{} 5 \xrightarrow[c_{10}]{} 10 \xrightarrow[c_9]{} 9 \twoheadrightarrow c_4, c_8, c_{12}$$

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

$$I_1^u = \langle -6.20623 \times 10^{189} u^{50} + 1.91950 \times 10^{190} u^{49} + \cdots + 1.83109 \times 10^{190} b - 2.76698 \times 10^{190},$$
$$6.53118 \times 10^{190} u^{50} - 2.00240 \times 10^{191} u^{49} + \cdots + 1.83109 \times 10^{190} a + 4.17386 \times 10^{191},\ u^{51} - 3u^{50} + \cdots + 21u$$
$$I_2^u = \langle -15199u^{17} - 83246u^{16} + \cdots + b - 28434,\ 13363u^{17} + 74911u^{16} + \cdots + a + 32129,$$
$$u^{18} + 6u^{17} + \cdots + 16u + 1 \rangle$$

* 2 irreducible components of $\dim_{\mathbb{C}} = 0$, with total 69 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. $\boldsymbol{I_1^u = \langle -6.21\times 10^{189}u^{50} + 1.92\times 10^{190}u^{49} + \cdots + 1.83\times 10^{190}b - 2.77\times 10^{190},\ 6.53\times 10^{190}u^{50} - 2.00\times 10^{191}u^{49} + \cdots + 1.83\times 10^{190}a + 4.17\times 10^{191},\ u^{51} - 3u^{50} + \cdots + 21u + 1\rangle}$

(i) Arc colorings

$$a_4 = \begin{pmatrix} 0 \\ u \end{pmatrix}$$
$$a_6 = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$
$$a_7 = \begin{pmatrix} 1 \\ u^2 \end{pmatrix}$$
$$a_{12} = \begin{pmatrix} -3.56682u^{50} + 10.9355u^{49} + \cdots - 381.856u - 22.7943 \\ 0.338936u^{50} - 1.04828u^{49} + \cdots + 35.0303u + 1.51111 \end{pmatrix}$$
$$a_{11} = \begin{pmatrix} -3.56682u^{50} + 10.9355u^{49} + \cdots - 381.856u - 22.7943 \\ 0.367596u^{50} - 1.14233u^{49} + \cdots + 33.6608u + 1.27604 \end{pmatrix}$$
$$a_8 = \begin{pmatrix} 1.31856u^{50} - 4.24593u^{49} + \cdots + 43.2461u - 7.28846 \\ 0.372098u^{50} - 1.15390u^{49} + \cdots + 41.7658u + 3.50605 \end{pmatrix}$$
$$a_3 = \begin{pmatrix} 2.56187u^{50} - 8.01615u^{49} + \cdots + 312.685u + 11.1314 \\ -0.123273u^{50} + 0.394024u^{49} + \cdots - 16.0948u + 0.114225 \end{pmatrix}$$
$$a_2 = \begin{pmatrix} 2.43859u^{50} - 7.62212u^{49} + \cdots + 296.590u + 11.2457 \\ -0.123273u^{50} + 0.394024u^{49} + \cdots - 16.0948u + 0.114225 \end{pmatrix}$$
$$a_1 = \begin{pmatrix} -0.386563u^{50} + 1.15851u^{49} + \cdots - 202.479u - 17.3283 \\ 0.237140u^{50} - 0.750279u^{49} + \cdots + 32.0577u + 2.33690 \end{pmatrix}$$
$$a_5 = \begin{pmatrix} -2.62715u^{50} + 8.16557u^{49} + \cdots - 395.092u - 18.3358 \\ 0.245732u^{50} - 0.780842u^{49} + \cdots + 33.6386u + 1.03443 \end{pmatrix}$$
$$a_{10} = \begin{pmatrix} -3.93442u^{50} + 12.0779u^{49} + \cdots - 415.517u - 24.0704 \\ 0.367596u^{50} - 1.14233u^{49} + \cdots + 33.6608u + 1.27604 \end{pmatrix}$$
$$a_9 = \begin{pmatrix} -1.41365u^{50} + 4.64782u^{49} + \cdots + 32.0023u + 3.74234 \\ -0.0397767u^{50} + 0.116546u^{49} + \cdots - 24.0454u - 1.81099 \end{pmatrix}$$

(ii) Obstruction class $= -1$

(iii) Cusp Shapes $= -2.64179u^{50} + 8.09527u^{49} + \cdots - 400.109u - 30.6870$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1	$u^{51} + 29u^{50} + \cdots - 31u + 49$
c_2, c_5	$u^{51} + 3u^{50} + \cdots + 33u + 7$
c_3	$u^{51} + u^{50} + \cdots - 133u + 163$
c_4, c_{11}	$u^{51} - u^{50} + \cdots - 3u + 1$
c_6	$u^{51} - 3u^{50} + \cdots + 21u + 1$
c_7	$u^{51} - 2u^{50} + \cdots + 6290u + 161$
c_8, c_9, c_{12}	$u^{51} - 4u^{50} + \cdots + 131u - 29$
c_{10}	$u^{51} + 33u^{49} + \cdots + 63366u + 32041$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1	$y^{51} - y^{50} + \cdots + 295745y - 2401$
c_2, c_5	$y^{51} - 29y^{50} + \cdots - 31y - 49$
c_3	$y^{51} + 19y^{50} + \cdots - 159329y - 26569$
c_4, c_{11}	$y^{51} + 67y^{50} + \cdots + 111y - 1$
c_6	$y^{51} - 87y^{50} + \cdots - 61y - 1$
c_7	$y^{51} + 68y^{50} + \cdots + 46092006y - 25921$
c_8, c_9, c_{12}	$y^{51} + 46y^{50} + \cdots + 14783y - 841$
c_{10}	$y^{51} + 66y^{50} + \cdots - 134123626y - 1026625681$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_1^u	$\sqrt{-1}(\text{vol}+\sqrt{-1}CS)$	Cusp shape
$u = 0.438854 + 0.881387I$ $a = 0.802989 + 0.488950I$ $b = 1.46263 + 0.44970I$	$2.55303 + 5.62854I$	0
$u = 0.438854 - 0.881387I$ $a = 0.802989 - 0.488950I$ $b = 1.46263 - 0.44970I$	$2.55303 - 5.62854I$	0
$u = 0.786917 + 0.547490I$ $a = 1.231510 + 0.622312I$ $b = -0.561675 - 0.635936I$	$5.38314 + 2.25660I$	0
$u = 0.786917 - 0.547490I$ $a = 1.231510 - 0.622312I$ $b = -0.561675 + 0.635936I$	$5.38314 - 2.25660I$	0
$u = -0.969635 + 0.549105I$ $a = 0.592870 - 0.730545I$ $b = 1.099540 + 0.169847I$	$2.80334 + 0.19977I$	0
$u = -0.969635 - 0.549105I$ $a = 0.592870 + 0.730545I$ $b = 1.099540 - 0.169847I$	$2.80334 - 0.19977I$	0
$u = -0.258956 + 1.084080I$ $a = -0.0078550 + 0.1186930I$ $b = 0.680266 + 0.175141I$	$2.08270 + 2.42338I$	0
$u = -0.258956 - 1.084080I$ $a = -0.0078550 - 0.1186930I$ $b = 0.680266 - 0.175141I$	$2.08270 - 2.42338I$	0
$u = -0.877771 + 0.053196I$ $a = 1.06003 - 0.99974I$ $b = -0.050000 + 0.341986I$	$2.86052 + 0.92213I$	$-4.00000 + 0.I$
$u = -0.877771 - 0.053196I$ $a = 1.06003 + 0.99974I$ $b = -0.050000 - 0.341986I$	$2.86052 - 0.92213I$	$-4.00000 + 0.I$

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = 0.077227 + 0.787735I$ $a = -1.39631 + 0.29538I$ $b = 0.405257 - 0.172699I$	$-1.082690 - 0.753222I$	$-8.27224 - 0.58913I$
$u = 0.077227 - 0.787735I$ $a = -1.39631 - 0.29538I$ $b = 0.405257 + 0.172699I$	$-1.082690 + 0.753222I$	$-8.27224 + 0.58913I$
$u = -0.371822 + 0.643704I$ $a = -1.319030 + 0.489182I$ $b = -1.058190 - 0.552894I$	$-1.31122 + 2.27509I$	$-10.03353 - 3.12250I$
$u = -0.371822 - 0.643704I$ $a = -1.319030 - 0.489182I$ $b = -1.058190 + 0.552894I$	$-1.31122 - 2.27509I$	$-10.03353 + 3.12250I$
$u = 0.415418 + 1.187680I$ $a = 0.210614 + 0.007241I$ $b = -0.711873 - 0.851088I$	$7.01209 + 0.55331I$	0
$u = 0.415418 - 1.187680I$ $a = 0.210614 - 0.007241I$ $b = -0.711873 + 0.851088I$	$7.01209 - 0.55331I$	0
$u = -0.851182 + 0.945181I$ $a = 0.492401 - 0.719354I$ $b = -0.574356 + 0.893531I$	$1.61849 - 3.97257I$	0
$u = -0.851182 - 0.945181I$ $a = 0.492401 + 0.719354I$ $b = -0.574356 - 0.893531I$	$1.61849 + 3.97257I$	0
$u = -0.654550$ $a = -0.815626$ $b = -0.0235623$	-1.51224	-6.39690
$u = -0.61210 + 1.42769I$ $a = -0.0766712 - 0.0666805I$ $b = -0.855685 + 0.583788I$	$5.29873 + 5.39295I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u=-0.61210-1.42769I$ $a=-0.0766712+0.0666805I$ $b=-0.855685-0.583788I$	$5.29873-5.39295I$	0
$u=0.244067+0.211790I$ $a=3.58624-0.14006I$ $b=-0.172244-0.891038I$	$6.22807+3.03641I$	$-0.15194-4.08278I$
$u=0.244067-0.211790I$ $a=3.58624+0.14006I$ $b=-0.172244+0.891038I$	$6.22807-3.03641I$	$-0.15194+4.08278I$
$u=-0.052211+0.243333I$ $a=-1.65333+1.57397I$ $b=0.032030+0.489627I$	$-0.123994+1.016060I$	$-2.35884-6.62848I$
$u=-0.052211-0.243333I$ $a=-1.65333-1.57397I$ $b=0.032030-0.489627I$	$-0.123994-1.016060I$	$-2.35884+6.62848I$
$u=-0.153372+0.111375I$ $a=2.84799+0.60731I$ $b=0.517369+1.121390I$	$-1.19162+1.61010I$	$-0.97639+4.58807I$
$u=-0.153372-0.111375I$ $a=2.84799-0.60731I$ $b=0.517369-1.121390I$	$-1.19162-1.61010I$	$-0.97639-4.58807I$
$u=0.007539+0.153031I$ $a=-5.36804+7.36280I$ $b=0.090420-0.966899I$	$3.36883+8.08804I$	$-4.16795-6.45391I$
$u=0.007539-0.153031I$ $a=-5.36804-7.36280I$ $b=0.090420+0.966899I$	$3.36883-8.08804I$	$-4.16795+6.45391I$
$u=-0.0981206+0.0761409I$ $a=-2.13969-7.63551I$ $b=-0.180819+1.098890I$	$-2.72745+3.79308I$	$-7.08139-6.39060I$

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u=-0.0981206-0.0761409I$ $a=-2.13969+7.63551I$ $b=-0.180819-1.098890I$	$-2.72745-3.79308I$	$-7.08139+6.39060I$
$u=\ \ 2.03972+0.34818I$ $a=-0.167321-0.858121I$ $b=\ \ 0.24093+2.09041I$	$-7.53123-4.56112I$	0
$u=\ \ 2.03972-0.34818I$ $a=-0.167321+0.858121I$ $b=\ \ 0.24093-2.09041I$	$-7.53123+4.56112I$	0
$u=\ \ 2.11807+0.20852I$ $a=\ \ 0.111419+0.870257I$ $b=\ \ 0.53451-1.37759I$	$-9.45111-1.99019I$	0
$u=\ \ 2.11807-0.20852I$ $a=\ \ 0.111419-0.870257I$ $b=\ \ 0.53451+1.37759I$	$-9.45111+1.99019I$	0
$u=\ \ 2.14783+0.07904I$ $a=\ \ 0.027350+0.853045I$ $b=-0.32027-1.82960I$	$-12.63600-1.06445I$	0
$u=\ \ 2.14783-0.07904I$ $a=\ \ 0.027350-0.853045I$ $b=-0.32027+1.82960I$	$-12.63600+1.06445I$	0
$u=\ \ 2.09075+0.50266I$ $a=-0.344685-0.686017I$ $b=\ \ 0.07196+1.68618I$	$-7.39570+2.33947I$	0
$u=\ \ 2.09075-0.50266I$ $a=-0.344685+0.686017I$ $b=\ \ 0.07196-1.68618I$	$-7.39570-2.33947I$	0
$u=-2.16315+0.30765I$ $a=-0.100617+0.731102I$ $b=-0.04164-2.25566I$	$-5.84292+0.77536I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u=-2.16315-0.30765I$ $a=-0.100617-0.731102I$ $b=-0.04164+2.25566I$	$-5.84292-0.77536I$	0
$u=-2.24014+0.35466I$ $a=\ \ 0.021038-0.775624I$ $b=\ \ 0.69469+1.78191I$	$-2.40989+7.37799I$	0
$u=-2.24014-0.35466I$ $a=\ \ 0.021038+0.775624I$ $b=\ \ 0.69469-1.78191I$	$-2.40989-7.37799I$	0
$u=-2.22716+0.44704I$ $a=-0.192890+0.625827I$ $b=-0.19805-1.86310I$	$-5.46694+1.77932I$	0
$u=-2.22716-0.44704I$ $a=-0.192890-0.625827I$ $b=-0.19805+1.86310I$	$-5.46694-1.77932I$	0
$u=-2.28681+0.02141I$ $a=\ \ 0.069554+0.723390I$ $b=-0.35195-1.92261I$	$-7.57553+3.10359I$	0
$u=-2.28681-0.02141I$ $a=\ \ 0.069554-0.723390I$ $b=-0.35195+1.92261I$	$-7.57553-3.10359I$	0
$u=\ \ 2.29535+0.30641I$ $a=-0.050327+0.786971I$ $b=\ \ 0.58797-1.96230I$	$-5.2040-14.0594I$	0
$u=\ \ 2.29535-0.30641I$ $a=-0.050327-0.786971I$ $b=\ \ 0.58797+1.96230I$	$-5.2040+14.0594I$	0
$u=\ \ 2.32797+0.06553I$ $a=\ \ 0.170579+0.730407I$ $b=-0.32905-1.92841I$	$-10.44840+8.57270I$	0

	Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u =$	$2.32797 - 0.06553I$		
$a =$	$0.170579 - 0.730407I$	$-10.44840 - 8.57270I$	0
$b =$	$-0.32905 + 1.92841I$		

II. $\boldsymbol{I_2^u = \langle -15199u^{17} - 83246u^{16} + \cdots + b - 28434,\ 13363u^{17} + 74911u^{16} + \cdots + a + 32129,\ u^{18} + 6u^{17} + \cdots + 16u + 1 \rangle}$

(i) Arc colorings

$$a_4 = \begin{pmatrix} 0 \\ u \end{pmatrix}$$
$$a_6 = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$
$$a_7 = \begin{pmatrix} 1 \\ u^2 \end{pmatrix}$$
$$a_{12} = \begin{pmatrix} -13363u^{17} - 74911u^{16} + \cdots - 440720u - 32129 \\ 15199u^{17} + 83246u^{16} + \cdots + 403343u + 28434 \end{pmatrix}$$
$$a_{11} = \begin{pmatrix} -13363u^{17} - 74911u^{16} + \cdots - 440720u - 32129 \\ 13235u^{17} + 72159u^{16} + \cdots + 332434u + 23167 \end{pmatrix}$$
$$a_8 = \begin{pmatrix} -16u^{17} - 94u^{16} + \cdots - 1251u - 125 \\ 16384u^{17} + 90112u^{16} + \cdots + 458752u + 32767 \end{pmatrix}$$
$$a_3 = \begin{pmatrix} -93u^{17} - 558u^{16} + \cdots - 6698u - 592 \\ -u^{17} - 6u^{16} + \cdots - 115u - 15 \end{pmatrix}$$
$$a_2 = \begin{pmatrix} -94u^{17} - 564u^{16} + \cdots - 6813u - 607 \\ -u^{17} - 6u^{16} + \cdots - 115u - 15 \end{pmatrix}$$
$$a_1 = \begin{pmatrix} 1589u^{17} + 9128u^{16} + \cdots + 70803u + 5487 \\ 95u^{17} + 557u^{16} + \cdots + 5933u + 515 \end{pmatrix}$$
$$a_5 = \begin{pmatrix} -513u^{17} - 2984u^{16} + \cdots - 27756u - 2291 \\ -14u^{17} - 83u^{16} + \cdots - 1120u - 110 \end{pmatrix}$$
$$a_{10} = \begin{pmatrix} -26598u^{17} - 147070u^{16} + \cdots - 773154u - 55296 \\ 13235u^{17} + 72159u^{16} + \cdots + 332434u + 23167 \end{pmatrix}$$
$$a_9 = \begin{pmatrix} -24899u^{17} - 137296u^{16} + \cdots - 695183u - 49170 \\ 13235u^{17} + 72171u^{16} + \cdots + 333330u + 23261 \end{pmatrix}$$

(ii) Obstruction class $= 1$

(iii) Cusp Shapes

$= 96456u^{17} + 526448u^{16} + 968430u^{15} - 43279u^{14} - 4993167u^{13} - 14847798u^{12} - 21267959u^{11} - 7843139u^{10} + 43624726u^9 + 131260980u^8 + 221053250u^7 + 262385524u^6 + 225728266u^5 + 138033421u^4 + 57916786u^3 + 15777654u^2 + 2510027u + 177106$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1	$u^{18} - 12u^{17} + \cdots - 12u + 1$
c_2	$u^{18} + 2u^{17} + \cdots + 2u + 1$
c_3	$u^{18} + 6u^{16} + \cdots - 6u + 1$
c_4	$u^{18} + 10u^{16} + \cdots + 17u^2 + 1$
c_5	$u^{18} - 2u^{17} + \cdots - 2u + 1$
c_6	$u^{18} + 6u^{17} + \cdots + 16u + 1$
c_7	$u^{18} - u^{17} + \cdots - u + 1$
c_8, c_9	$u^{18} - 3u^{17} + \cdots - 4u + 1$
c_{10}	$u^{18} + u^{17} + \cdots + u + 1$
c_{11}	$u^{18} + 10u^{16} + \cdots + 17u^2 + 1$
c_{12}	$u^{18} + 3u^{17} + \cdots + 4u + 1$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1	$y^{18} - 8y^{16} + \cdots - 8y + 1$
c_2, c_5	$y^{18} - 12y^{17} + \cdots - 12y + 1$
c_3	$y^{18} + 12y^{17} + \cdots - 6y + 1$
c_4, c_{11}	$y^{18} + 20y^{17} + \cdots + 34y + 1$
c_6	$y^{18} - 10y^{17} + \cdots - 26y + 1$
c_7	$y^{18} + 13y^{17} + \cdots - 5y + 1$
c_8, c_9, c_{12}	$y^{18} + 19y^{17} + \cdots + 34y + 1$
c_{10}	$y^{18} + 7y^{17} + \cdots - 9y + 1$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_2^u	$\sqrt{-1}(\mathrm{vol} + \sqrt{-1}CS)$	Cusp shape
$u = -0.642965 + 1.138500I$ $a = -0.809556 - 0.016966I$ $b = -0.104175 - 0.781798I$	$6.64743 - 1.50205I$	0
$u = -0.642965 - 1.138500I$ $a = -0.809556 + 0.016966I$ $b = -0.104175 + 0.781798I$	$6.64743 + 1.50205I$	0
$u = -0.586828 + 0.199257I$ $a = -1.39182 + 1.34971I$ $b = 0.880804 - 0.592549I$	$6.10975 - 2.66232I$	$2.22310 + 5.30109I$
$u = -0.586828 - 0.199257I$ $a = -1.39182 - 1.34971I$ $b = 0.880804 + 0.592549I$	$6.10975 + 2.66232I$	$2.22310 - 5.30109I$
$u = 0.12002 + 1.43750I$ $a = -0.563405 + 0.344470I$ $b = -0.585179 + 0.241540I$	$5.29038 + 6.84249I$	0
$u = 0.12002 - 1.43750I$ $a = -0.563405 - 0.344470I$ $b = -0.585179 - 0.241540I$	$5.29038 - 6.84249I$	0
$u = -0.533613 + 0.020740I$ $a = 0.029715 - 0.541718I$ $b = -0.493263 + 0.922302I$	$-1.38579 - 2.18536I$	$-5.51806 + 7.75600I$
$u = -0.533613 - 0.020740I$ $a = 0.029715 + 0.541718I$ $b = -0.493263 - 0.922302I$	$-1.38579 + 2.18536I$	$-5.51806 - 7.75600I$
$u = -0.483081 + 0.122779I$ $a = 0.22219 - 1.99454I$ $b = -0.880434 + 0.479597I$	$-0.12655 - 1.97803I$	$-2.99483 + 2.76111I$
$u = -0.483081 - 0.122779I$ $a = 0.22219 + 1.99454I$ $b = -0.880434 - 0.479597I$	$-0.12655 + 1.97803I$	$-2.99483 - 2.76111I$

Solutions to I_2^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = -0.30885 + 1.52377I$ $a = 0.446642 - 0.096804I$ $b = 0.487692 + 0.273624I$	$1.24279 + 2.46392I$	0
$u = -0.30885 - 1.52377I$ $a = 0.446642 + 0.096804I$ $b = 0.487692 - 0.273624I$	$1.24279 - 2.46392I$	0
$u = -0.413975 + 0.113860I$ $a = 0.76007 + 3.22513I$ $b = 0.849984 - 0.349023I$	$3.66442 - 2.08584I$	$-0.82702 + 3.16487I$
$u = -0.413975 - 0.113860I$ $a = 0.76007 - 3.22513I$ $b = 0.849984 + 0.349023I$	$3.66442 + 2.08584I$	$-0.82702 - 3.16487I$
$u = 2.09428 + 0.29167I$ $a = 0.161339 + 0.853648I$ $b = 0.18266 - 1.56242I$	$-10.12730 - 0.84676I$	0
$u = 2.09428 - 0.29167I$ $a = 0.161339 - 0.853648I$ $b = 0.18266 + 1.56242I$	$-10.12730 + 0.84676I$	0
$u = -2.24499 + 0.38125I$ $a = 0.144822 - 0.657660I$ $b = 0.16191 + 2.21998I$	$-6.38032 + 1.49135I$	0
$u = -2.24499 - 0.38125I$ $a = 0.144822 + 0.657660I$ $b = 0.16191 - 2.21998I$	$-6.38032 - 1.49135I$	0

III. u-Polynomials

Crossings	u-Polynomials at each crossing
c_1	$(u^{18} - 12u^{17} + \cdots - 12u + 1)(u^{51} + 29u^{50} + \cdots - 31u + 49)$
c_2	$(u^{18} + 2u^{17} + \cdots + 2u + 1)(u^{51} + 3u^{50} + \cdots + 33u + 7)$
c_3	$(u^{18} + 6u^{16} + \cdots - 6u + 1)(u^{51} + u^{50} + \cdots - 133u + 163)$
c_4	$(u^{18} + 10u^{16} + \cdots + 17u^2 + 1)(u^{51} - u^{50} + \cdots - 3u + 1)$
c_5	$(u^{18} - 2u^{17} + \cdots - 2u + 1)(u^{51} + 3u^{50} + \cdots + 33u + 7)$
c_6	$(u^{18} + 6u^{17} + \cdots + 16u + 1)(u^{51} - 3u^{50} + \cdots + 21u + 1)$
c_7	$(u^{18} - u^{17} + \cdots - u + 1)(u^{51} - 2u^{50} + \cdots + 6290u + 161)$
c_8, c_9	$(u^{18} - 3u^{17} + \cdots - 4u + 1)(u^{51} - 4u^{50} + \cdots + 131u - 29)$
c_{10}	$(u^{18} + u^{17} + \cdots + u + 1)(u^{51} + 33u^{49} + \cdots + 63366u + 32041)$
c_{11}	$(u^{18} + 10u^{16} + \cdots + 17u^2 + 1)(u^{51} - u^{50} + \cdots - 3u + 1)$
c_{12}	$(u^{18} + 3u^{17} + \cdots + 4u + 1)(u^{51} - 4u^{50} + \cdots + 131u - 29)$

IV. Riley Polynomials

Crossings	Riley Polynomials at each crossing
c_1	$(y^{18} - 8y^{16} + \cdots - 8y + 1)(y^{51} - y^{50} + \cdots + 295745y - 2401)$
c_2, c_5	$(y^{18} - 12y^{17} + \cdots - 12y + 1)(y^{51} - 29y^{50} + \cdots - 31y - 49)$
c_3	$(y^{18} + 12y^{17} + \cdots - 6y + 1)(y^{51} + 19y^{50} + \cdots - 159329y - 26569)$
c_4, c_{11}	$(y^{18} + 20y^{17} + \cdots + 34y + 1)(y^{51} + 67y^{50} + \cdots + 111y - 1)$
c_6	$(y^{18} - 10y^{17} + \cdots - 26y + 1)(y^{51} - 87y^{50} + \cdots - 61y - 1)$
c_7	$(y^{18} + 13y^{17} + \cdots - 5y + 1)(y^{51} + 68y^{50} + \cdots + 4.60920 \times 10^{7}y - 25921)$
c_8, c_9, c_{12}	$(y^{18} + 19y^{17} + \cdots + 34y + 1)(y^{51} + 46y^{50} + \cdots + 14783y - 841)$
c_{10}	$(y^{18} + 7y^{17} + \cdots - 9y + 1)$ $\cdot (y^{51} + 66y^{50} + \cdots - 134123626y - 1026625681)$