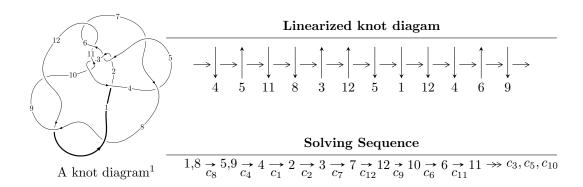
$12n_{0788} \ (K12n_{0788})$



Ideals for irreducible components² of X_{par}

$$I_1^u = \langle 1.58578 \times 10^{94} u^{73} + 3.02439 \times 10^{94} u^{72} + \dots + 7.24165 \times 10^{94} b - 1.13790 \times 10^{95},$$

$$6.83460 \times 10^{94} u^{73} + 2.06996 \times 10^{95} u^{72} + \dots + 7.24165 \times 10^{94} a - 1.20278 \times 10^{96}, \ u^{74} + 3u^{73} + \dots + 21u + I_2^u = \langle -u^{18} + 3u^{17} + \dots + b - 1, \ u^{19} - u^{18} + \dots + a + 3, \ u^{20} - 2u^{19} + \dots + 11u^2 + 1 \rangle$$

* 2 irreducible components of $\dim_{\mathbb{C}} = 0$, with total 94 representations.

¹The 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.

$$\begin{array}{c} \text{I. }I_1^u = \\ \langle 1.59 \times 10^{94} u^{73} + 3.02 \times 10^{94} u^{72} + \cdots + 7.24 \times 10^{94} b - 1.14 \times 10^{95}, \ 6.83 \times 10^{94} u^{73} + \\ 2.07 \times 10^{95} u^{72} + \cdots + 7.24 \times 10^{94} a - 1.20 \times 10^{96}, \ u^{74} + 3u^{73} + \cdots + 21u + 1 \rangle \end{array}$$

(i) Arc colorings

$$a_{1} = \begin{pmatrix} 0 \\ u \end{pmatrix}$$

$$a_{8} = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$

$$a_{5} = \begin{pmatrix} -0.943790u^{73} - 2.85841u^{72} + \dots - 200.219u + 16.6092 \\ -0.218980u^{73} - 0.417638u^{72} + \dots + 27.3920u + 1.57132 \end{pmatrix}$$

$$a_{9} = \begin{pmatrix} 1 \\ u^{2} \end{pmatrix}$$

$$a_{4} = \begin{pmatrix} -1.16277u^{73} - 3.27605u^{72} + \dots - 172.827u + 18.1805 \\ -0.218980u^{73} - 0.417638u^{72} + \dots + 27.3920u + 1.57132 \end{pmatrix}$$

$$a_{2} = \begin{pmatrix} -3.74724u^{73} - 11.5498u^{72} + \dots - 1374.87u - 47.8329 \\ -0.289918u^{73} - 0.893819u^{72} + \dots - 5.30721u + 1.13701 \end{pmatrix}$$

$$a_{3} = \begin{pmatrix} 0.150555u^{73} + 0.0467585u^{72} + \dots - 582.950u - 39.8482 \\ -0.519493u^{73} - 1.69333u^{72} + \dots - 12.9835u - 0.00334082 \end{pmatrix}$$

$$a_{7} = \begin{pmatrix} -1.09362u^{73} - 3.80737u^{72} + \dots - 462.305u - 29.4024 \\ -0.0433920u^{73} + 0.106412u^{72} + \dots - 6.49614u + 0.217922 \end{pmatrix}$$

$$a_{12} = \begin{pmatrix} u \\ u^{3} + u \end{pmatrix}$$

$$a_{10} = \begin{pmatrix} u^{2} + 1 \\ u^{4} + 2u^{2} \end{pmatrix}$$

$$a_{6} = \begin{pmatrix} 0.0832740u^{73} + 0.529036u^{72} + \dots - 463.401u - 29.5039 \\ 0.0832740u^{73} + 0.529036u^{72} + \dots - 3.79157u + 0.290107 \end{pmatrix}$$

$$a_{11} = \begin{pmatrix} 1.06428u^{73} + 2.50104u^{72} + \dots + 542.210u + 39.2751 \\ -0.0130542u^{73} + 0.238478u^{72} + \dots + 15.1776u + 0.0881159 \end{pmatrix}$$

- (ii) Obstruction class = -1
- (iii) Cusp Shapes = $0.346623u^{73} + 2.28437u^{72} + \cdots + 298.542u + 13.6537u^{73} + 2.28437u^{72} + \cdots + 298.542u + 13.6537u^{73} + 2.28437u^{74} + \cdots + 298.542u + 13.6537u^{74} + \cdots + 298.542u^{74} + \cdots + 298.544u^{74} + \cdots + 298.544u^{74} + \cdots + 298.544u^{7$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1	$u^{74} - 12u^{73} + \dots + 512u + 73$
c_2, c_5	$u^{74} - 22u^{72} + \dots + 12106u + 4059$
c_3, c_{10}	$u^{74} - u^{73} + \dots + 18411u + 6049$
c_4, c_7	$u^{74} - 4u^{73} + \dots - 2438u + 529$
c_6, c_{11}	$u^{74} - u^{73} + \dots - 1273u + 2357$
c_8, c_9, c_{12}	$u^{74} - 3u^{73} + \dots - 21u + 1$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1	$y^{74} + 46y^{72} + \dots + 277034y + 5329$
c_2, c_5	$y^{74} - 44y^{73} + \dots - 265207924y + 16475481$
c_3, c_{10}	$y^{74} + 47y^{73} + \dots + 954117711y + 36590401$
c_4, c_7	$y^{74} + 36y^{73} + \dots + 5248738y + 279841$
c_6, c_{11}	$y^{74} - 45y^{73} + \dots - 110160379y + 5555449$
c_8, c_9, c_{12}	$y^{74} + 69y^{73} + \dots + 273y + 1$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.936804 + 0.339968I		
a = 0.622927 + 0.688917I	2.76516 + 11.24560I	0
b = 0.710500 - 1.130150I		
u = -0.936804 - 0.339968I		
a = 0.622927 - 0.688917I	2.76516 - 11.24560I	0
b = 0.710500 + 1.130150I		
u = 0.930090 + 0.208950I		
a = -0.334369 + 0.260725I	-0.61830 - 4.53833I	0
b = -0.663146 - 0.942118I		
u = 0.930090 - 0.208950I		
a = -0.334369 - 0.260725I	-0.61830 + 4.53833I	0
b = -0.663146 + 0.942118I		
u = -0.319333 + 1.020450I		
a = 0.23353 + 1.63070I	3.67304 - 1.08231I	0
b = 0.553683 - 0.674115I		
u = -0.319333 - 1.020450I		
a = 0.23353 - 1.63070I	3.67304 + 1.08231I	0
b = 0.553683 + 0.674115I		
u = -0.069737 + 1.104620I		
a = 0.46995 + 1.52306I	3.55481 - 1.00960I	0
b = 0.315493 - 0.757914I		
u = -0.069737 - 1.104620I		
a = 0.46995 - 1.52306I	3.55481 + 1.00960I	0
b = 0.315493 + 0.757914I		
u = -0.064033 + 0.874740I		
a = 0.598935 + 0.016465I	-0.142484 - 0.979938I	-4.00000 + 2.35513I
b = -0.805267 - 0.384169I		
u = -0.064033 - 0.874740I		
a = 0.598935 - 0.016465I	-0.142484 + 0.979938I	-4.00000 - 2.35513I
b = -0.805267 + 0.384169I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.738642 + 0.887199I		
a = -0.557382 - 0.422145I	4.40806 - 5.59603I	0
b = 0.566445 + 0.940150I		
u = -0.738642 - 0.887199I		
a = -0.557382 + 0.422145I	4.40806 + 5.59603I	0
b = 0.566445 - 0.940150I		
u = 0.828888 + 0.091510I		
a = 0.737287 - 0.641900I	-0.10298 - 4.06471I	-0.40205 + 4.72845I
b = 0.572058 + 1.134930I		
u = 0.828888 - 0.091510I		
a = 0.737287 + 0.641900I	-0.10298 + 4.06471I	-0.40205 - 4.72845I
b = 0.572058 - 1.134930I		
u = 0.789984 + 0.155180I		
a = 0.697528 - 0.295007I	-2.13816 - 0.67532I	-4.89240 - 0.69754I
b = 0.608961 + 0.489624I		
u = 0.789984 - 0.155180I		
a = 0.697528 + 0.295007I	-2.13816 + 0.67532I	-4.89240 + 0.69754I
b = 0.608961 - 0.489624I		
u = 0.395613 + 1.128880I		
a = -0.468940 + 0.976139I	3.10666 - 0.34724I	0
b = 0.587115 - 0.916327I		
u = 0.395613 - 1.128880I		
a = -0.468940 - 0.976139I	3.10666 + 0.34724I	0
b = 0.587115 + 0.916327I		
u = 0.386320 + 1.141930I		
a = -0.257479 - 0.302102I	0.88149 - 3.55827I	0
b = 0.741571 - 0.155531I		
u = 0.386320 - 1.141930I		
a = -0.257479 + 0.302102I	0.88149 + 3.55827I	0
b = 0.741571 + 0.155531I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.781957 + 0.127588I		
a = 0.468419 - 0.340993I	0.83489 + 5.14638I	-2.92699 - 4.12698I
b = 0.969908 + 0.496154I		
u = -0.781957 - 0.127588I		
a = 0.468419 + 0.340993I	0.83489 - 5.14638I	-2.92699 + 4.12698I
b = 0.969908 - 0.496154I		
u = -0.690960 + 0.376818I		
a = -0.930716 - 0.945879I	-1.32937 + 4.37262I	-1.68695 - 7.55471I
b = -0.790965 + 0.838168I		
u = -0.690960 - 0.376818I		
a = -0.930716 + 0.945879I	-1.32937 - 4.37262I	-1.68695 + 7.55471I
b = -0.790965 - 0.838168I		
u = 0.208976 + 1.238970I		
a = 0.725780 - 0.430028I	2.07909 - 2.04945I	0
b = -1.33074 + 0.55805I		
u = 0.208976 - 1.238970I		
a = 0.725780 + 0.430028I	2.07909 + 2.04945I	0
b = -1.33074 - 0.55805I		
u = -0.239083 + 1.235520I		
a = -0.56305 - 1.99635I	2.21691 + 4.57437I	0
b = -0.653467 + 1.183850I		
u = -0.239083 - 1.235520I		
a = -0.56305 + 1.99635I	2.21691 - 4.57437I	0
b = -0.653467 - 1.183850I		
u = -0.098165 + 1.270860I		
a = 0.22331 + 3.15689I	11.61620 - 0.14821I	0
b = -0.02511 - 1.52128I		
u = -0.098165 - 1.270860I		
a = 0.22331 - 3.15689I	11.61620 + 0.14821I	0
b = -0.02511 + 1.52128I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.290096 + 1.244670I		
a = -1.42838 - 0.42517I	9.54324 + 4.38718I	0
b = -0.079374 + 0.951986I		
u = -0.290096 - 1.244670I		
a = -1.42838 + 0.42517I	9.54324 - 4.38718I	0
b = -0.079374 - 0.951986I		
u = 0.664261 + 1.105320I		
a = 0.578989 - 0.326355I	1.98668 - 0.96963I	0
b = -0.309901 + 0.732892I		
u = 0.664261 - 1.105320I		
a = 0.578989 + 0.326355I	1.98668 + 0.96963I	0
b = -0.309901 - 0.732892I		
u = -0.703470 + 0.069064I		
a = 0.078771 - 1.020400I	5.93010 - 0.78432I	1.48301 - 0.85749I
b = 0.318672 - 0.907573I		
u = -0.703470 - 0.069064I		
a = 0.078771 + 1.020400I	5.93010 + 0.78432I	1.48301 + 0.85749I
b = 0.318672 + 0.907573I		
u = 0.000271 + 1.298230I		
a = -1.73564 + 1.88420I	9.15293 + 3.49758I	0
b = -0.120936 - 0.853354I		
u = 0.000271 - 1.298230I		
a = -1.73564 - 1.88420I	9.15293 - 3.49758I	0
b = -0.120936 + 0.853354I		
u = -0.654738 + 0.139993I		
a = -0.365809 - 0.113721I	-1.17142 - 1.41028I	-0.82219 - 1.94292I
b = -0.749123 - 0.884451I		
u = -0.654738 - 0.139993I		
a = -0.365809 + 0.113721I	-1.17142 + 1.41028I	-0.82219 + 1.94292I
b = -0.749123 + 0.884451I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.021534 + 1.337130I		
a = 0.554741 - 0.978134I	9.72603 - 3.20768I	0
b = 0.795121 + 0.856242I		
u = -0.021534 - 1.337130I		
a = 0.554741 + 0.978134I	9.72603 + 3.20768I	0
b = 0.795121 - 0.856242I		
u = -0.104300 + 1.333230I		
a = -0.26774 - 2.22250I	12.48010 + 3.12382I	0
b = 0.24396 + 1.72146I		
u = -0.104300 - 1.333230I		
a = -0.26774 + 2.22250I	12.48010 - 3.12382I	0
b = 0.24396 - 1.72146I		
u = -0.276951 + 1.318390I		
a = 0.405659 + 0.960983I	10.30720 + 2.74116I	0
b = 0.727988 - 1.027740I		
u = -0.276951 - 1.318390I		
a = 0.405659 - 0.960983I	10.30720 - 2.74116I	0
b = 0.727988 + 1.027740I		
u = 0.616600 + 0.149646I		
a = -0.576417 + 1.181130I	-1.25932 - 0.85009I	-2.93324 - 0.64796I
b = -0.763533 - 0.734900I		
u = 0.616600 - 0.149646I		
a = -0.576417 - 1.181130I	-1.25932 + 0.85009I	-2.93324 + 0.64796I
b = -0.763533 + 0.734900I		
u = 0.359175 + 1.322210I		
a = 0.82697 - 2.18712I	4.31927 - 8.33215I	0
b = 0.498014 + 1.278840I		
u = 0.359175 - 1.322210I		
a = 0.82697 + 2.18712I	4.31927 + 8.33215I	0
b = 0.498014 - 1.278840I		

$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
5.44209 + 9.16208I	0
5.44209 - 9.16208I	0
3.67876 + 2.15533I	0
3.67876 - 2.15533I	0
3.68775 - 4.15450I	0
3.68775 + 4.15450I	0
2.80424 - 4.78161I	0
2.80424 + 4.78161I	0
4.43148 - 9.25628I	0
4.43148 + 9.25628I	0
	5.44209 - 9.16208I $3.67876 + 2.15533I$ $3.67876 - 2.15533I$ $3.68775 - 4.15450I$ $2.80424 - 4.78161I$ $2.80424 + 4.78161I$ $4.43148 - 9.25628I$

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.27655 + 1.49326I		
a = -0.28891 - 1.91776I	4.77334 + 7.96569I	0
b = -0.713564 + 1.014530I		
u = -0.27655 - 1.49326I		
a = -0.28891 + 1.91776I	4.77334 - 7.96569I	0
b = -0.713564 - 1.014530I		
u = -0.38358 + 1.47124I		
a = 0.47036 + 1.92708I	8.5275 + 16.0127I	0
b = 0.72193 - 1.29934I		
u = -0.38358 - 1.47124I		
a = 0.47036 - 1.92708I	8.5275 - 16.0127I	0
b = 0.72193 + 1.29934I		
u = 0.049778 + 0.404950I		
a = 1.039240 + 0.230406I	-0.230831 - 1.075800I	-3.86726 + 5.56314I
b = -0.504136 - 0.382867I		
u = 0.049778 - 0.404950I		
a = 1.039240 - 0.230406I	-0.230831 + 1.075800I	-3.86726 - 5.56314I
b = -0.504136 + 0.382867I		
u = -0.00897 + 1.65353I		
a = -0.17869 + 1.83789I	12.84880 - 0.51128I	0
b = 0.212633 - 0.762848I		
u = -0.00897 - 1.65353I		
a = -0.17869 - 1.83789I	12.84880 + 0.51128I	0
b = 0.212633 + 0.762848I		
u = -0.318578 + 0.088858I		
a = 1.46832 - 0.71391I	7.89983 + 1.60233I	-5.43520 - 6.25438I
b = 0.12577 + 1.49843I		
u = -0.318578 - 0.088858I		
a = 1.46832 + 0.71391I	7.89983 - 1.60233I	-5.43520 + 6.25438I
b = 0.12577 - 1.49843I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.10261 + 1.70630I		
a = -0.280005 - 1.271740I	13.66950 - 2.42291I	0
b = 0.219435 + 0.960300I		
u = -0.10261 - 1.70630I		
a = -0.280005 + 1.271740I	13.66950 + 2.42291I	0
b = 0.219435 - 0.960300I		
u = -0.0287687 + 0.0617431I		
a = 26.4987 - 3.7687I	5.14104 - 3.45109I	1.82404 + 12.33527I
b = 0.331976 + 0.710871I		
u = -0.0287687 - 0.0617431I		
a = 26.4987 + 3.7687I	5.14104 + 3.45109I	1.82404 - 12.33527I
b = 0.331976 - 0.710871I		

$$I_2^u = \langle -u^{18} + 3u^{17} + \dots + b - 1, \ u^{19} - u^{18} + \dots + a + 3, \ u^{20} - 2u^{19} + \dots + 11u^2 + 1 \rangle$$

(i) Arc colorings

$$a_{1} = \begin{pmatrix} 0 \\ u \end{pmatrix}$$

$$a_{8} = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$

$$a_{5} = \begin{pmatrix} -u^{19} + u^{18} + \dots + u - 3 \\ u^{18} - 3u^{17} + \dots - 5u + 1 \end{pmatrix}$$

$$a_{9} = \begin{pmatrix} 1 \\ u^{2} \end{pmatrix}$$

$$a_{4} = \begin{pmatrix} -u^{19} + 2u^{18} + \dots - 4u - 2 \\ u^{18} - 3u^{17} + \dots - 5u + 1 \end{pmatrix}$$

$$a_{2} = \begin{pmatrix} 2u^{19} - 4u^{18} + \dots - 2u + 2 \\ -u^{19} + 2u^{18} + \dots + 2u + 1 \end{pmatrix}$$

$$a_{3} = \begin{pmatrix} 3u^{19} - 6u^{18} + \dots - 8u + 5 \\ -u^{19} + 2u^{18} + \dots + 7u + 1 \end{pmatrix}$$

$$a_{7} = \begin{pmatrix} -2u^{18} + 2u^{17} + \dots - 11u - 1 \\ -u^{19} + 3u^{18} + \dots + 10u^{2} + 3 \end{pmatrix}$$

$$a_{12} = \begin{pmatrix} u \\ u^{3} + u \end{pmatrix}$$

$$a_{10} = \begin{pmatrix} u^{2} + 1 \\ u^{4} + 2u^{2} \end{pmatrix}$$

$$a_{6} = \begin{pmatrix} -u^{19} - 10u^{17} + \dots - 10u - 1 \\ u^{18} - u^{17} + \dots + 2u + 3 \end{pmatrix}$$

$$a_{11} = \begin{pmatrix} u^{19} - 4u^{18} + \dots + 14u - 2 \\ -u^{19} + 3u^{18} + \dots + u - 2 \end{pmatrix}$$

(ii) Obstruction class = 1

(iii) Cusp Shapes

$$= -u^{19} + 6u^{18} - 19u^{17} + 70u^{16} - 134u^{15} + 339u^{14} - 478u^{13} + 875u^{12} - 956u^{11} + 1285u^{10} - 1103u^9 + 1064u^8 - 736u^7 + 473u^6 - 303u^5 + 123u^4 - 88u^3 + 36u^2 - 8u + 12u^4 - 8u^4 - 8u^4$$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1	$u^{20} + 3u^{19} + \dots + 9u + 1$
c_2	$u^{20} + 5u^{19} + \dots + 5u + 1$
c_3	$u^{20} + 9u^{18} + \dots + 2u^2 + 1$
c_4	$u^{20} - 3u^{19} + \dots - 3u + 1$
c_5	$u^{20} - 5u^{19} + \dots - 5u + 1$
c_6	$u^{20} - 7u^{18} + \dots + u^2 + 1$
c_7	$u^{20} + 3u^{19} + \dots + 3u + 1$
c_{8}, c_{9}	$u^{20} - 2u^{19} + \dots + 11u^2 + 1$
c_{10}	$u^{20} + 9u^{18} + \dots + 2u^2 + 1$
c_{11}	$u^{20} - 7u^{18} + \dots + u^2 + 1$
c_{12}	$u^{20} + 2u^{19} + \dots + 11u^2 + 1$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1	$y^{20} + 3y^{19} + \dots + 3y + 1$
c_{2}, c_{5}	$y^{20} - 17y^{19} + \dots - 7y + 1$
c_3,c_{10}	$y^{20} + 18y^{19} + \dots + 4y + 1$
c_4, c_7	$y^{20} + 15y^{19} + \dots + 11y + 1$
c_6, c_{11}	$y^{20} - 14y^{19} + \dots + 2y + 1$
c_8, c_9, c_{12}	$y^{20} + 24y^{19} + \dots + 22y + 1$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_2^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.237849 + 1.138180I		
a = 0.595231 - 0.531708I	1.41358 - 1.18127I	-1.009011 + 0.133987I
b = -0.924433 + 0.400435I		
u = 0.237849 - 1.138180I		
a = 0.595231 + 0.531708I	1.41358 + 1.18127I	-1.009011 - 0.133987I
b = -0.924433 - 0.400435I		
u = 0.458379 + 1.075510I		
a = 0.583352 - 0.508557I	1.38393 - 1.37957I	-2.62288 + 2.95794I
b = -0.447997 + 0.445190I		
u = 0.458379 - 1.075510I		
a = 0.583352 + 0.508557I	1.38393 + 1.37957I	-2.62288 - 2.95794I
b = -0.447997 - 0.445190I		
u = -0.032562 + 1.259960I		
a = 0.46714 - 2.85286I	11.54060 + 1.70476I	5.35646 - 2.70130I
b = 0.19047 + 1.50771I		
u = -0.032562 - 1.259960I		
a = 0.46714 + 2.85286I	11.54060 - 1.70476I	5.35646 + 2.70130I
b = 0.19047 - 1.50771I		
u = -0.178451 + 1.257340I		
a = 1.210450 + 0.323547I	8.17331 + 4.87622I	1.33927 - 6.40565I
b = 0.463393 - 0.711840I		
u = -0.178451 - 1.257340I		
a = 1.210450 - 0.323547I	8.17331 - 4.87622I	1.33927 + 6.40565I
b = 0.463393 + 0.711840I		
u = 0.707607 + 0.137682I		
a = -0.717254 + 0.452751I	-1.58933 - 2.51677I	-3.68440 + 4.44805I
b = -0.655863 - 0.894386I		
u = 0.707607 - 0.137682I		
a = -0.717254 - 0.452751I	-1.58933 + 2.51677I	-3.68440 - 4.44805I
b = -0.655863 + 0.894386I		

Solutions to I_2^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.30740 + 1.39766I		
a = -0.46774 + 1.89500I	3.36407 - 6.18880I	2.22658 + 5.47050I
b = -0.575858 - 1.113880I		
u = 0.30740 - 1.39766I		
a = -0.46774 - 1.89500I	3.36407 + 6.18880I	2.22658 - 5.47050I
b = -0.575858 + 1.113880I		
u = -0.341446 + 0.403300I		
a = -3.11005 + 0.22725I	5.20886 - 2.95060I	4.15959 - 2.66248I
b = 0.254427 + 0.644394I		
u = -0.341446 - 0.403300I		
a = -3.11005 - 0.22725I	5.20886 + 2.95060I	4.15959 + 2.66248I
b = 0.254427 - 0.644394I		
u = -0.02478 + 1.56705I		
a = -0.30939 + 1.77476I	15.1260 - 0.9723I	8.34609 + 0.42020I
b = 0.040337 - 1.275460I		
u = -0.02478 - 1.56705I		
a = -0.30939 - 1.77476I	15.1260 + 0.9723I	8.34609 - 0.42020I
b = 0.040337 + 1.275460I		
u = -0.06629 + 1.64547I		
a = -0.51898 - 1.60081I	12.82460 - 1.35935I	4.17653 + 4.55797I
b = 0.050399 + 0.710453I		
u = -0.06629 - 1.64547I		
a = -0.51898 + 1.60081I	12.82460 + 1.35935I	4.17653 - 4.55797I
b = 0.050399 - 0.710453I		
u = -0.067709 + 0.319554I		
a = -2.23275 + 0.53767I	8.35169 - 1.33697I	8.71177 - 1.53767I
b = 0.105123 - 1.386410I		
u = -0.067709 - 0.319554I		
a = -2.23275 - 0.53767I	8.35169 + 1.33697I	8.71177 + 1.53767I
b = 0.105123 + 1.386410I		

III. u-Polynomials

Crossings	u-Polynomials at each crossing
c_1	$ (u^{20} + 3u^{19} + \dots + 9u + 1)(u^{74} - 12u^{73} + \dots + 512u + 73) $
c_2	$(u^{20} + 5u^{19} + \dots + 5u + 1)(u^{74} - 22u^{72} + \dots + 12106u + 4059)$
c_3	$ (u^{20} + 9u^{18} + \dots + 2u^2 + 1)(u^{74} - u^{73} + \dots + 18411u + 6049) $
c_4	$(u^{20} - 3u^{19} + \dots - 3u + 1)(u^{74} - 4u^{73} + \dots - 2438u + 529)$
<i>C</i> ₅	$(u^{20} - 5u^{19} + \dots - 5u + 1)(u^{74} - 22u^{72} + \dots + 12106u + 4059)$
<i>C</i> ₆	$(u^{20} - 7u^{18} + \dots + u^2 + 1)(u^{74} - u^{73} + \dots - 1273u + 2357)$
	$(u^{20} + 3u^{19} + \dots + 3u + 1)(u^{74} - 4u^{73} + \dots - 2438u + 529)$
c_{8}, c_{9}	$(u^{20} - 2u^{19} + \dots + 11u^2 + 1)(u^{74} - 3u^{73} + \dots - 21u + 1)$
c_{10}	$(u^{20} + 9u^{18} + \dots + 2u^2 + 1)(u^{74} - u^{73} + \dots + 18411u + 6049)$
c_{11}	$(u^{20} - 7u^{18} + \dots + u^2 + 1)(u^{74} - u^{73} + \dots - 1273u + 2357)$
c_{12}	$(u^{20} + 2u^{19} + \dots + 11u^2 + 1)(u^{74} - 3u^{73} + \dots - 21u + 1)$

IV. Riley Polynomials

Crossings	Riley Polynomials at each crossing	
c_1	$(y^{20} + 3y^{19} + \dots + 3y + 1)(y^{74} + 46y^{72} + \dots + 277034y + 5329)$	
c_2,c_5	$(y^{20} - 17y^{19} + \dots - 7y + 1)$ $\cdot (y^{74} - 44y^{73} + \dots - 265207924y + 16475481)$	
c_3, c_{10}	$(y^{20} + 18y^{19} + \dots + 4y + 1)$ $\cdot (y^{74} + 47y^{73} + \dots + 954117711y + 36590401)$	
c_4, c_7	$(y^{20} + 15y^{19} + \dots + 11y + 1)$ $\cdot (y^{74} + 36y^{73} + \dots + 5248738y + 279841)$	
c_6, c_{11}	$(y^{20} - 14y^{19} + \dots + 2y + 1)$ $\cdot (y^{74} - 45y^{73} + \dots - 110160379y + 5555449)$	
c_8, c_9, c_{12}	$(y^{20} + 24y^{19} + \dots + 22y + 1)(y^{74} + 69y^{73} + \dots + 273y + 1)$	