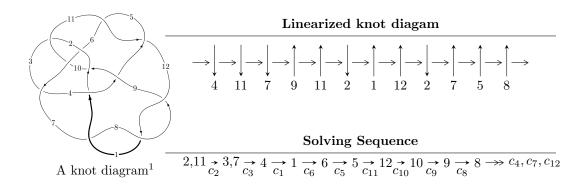
$12n_{0715} (K12n_{0715})$



Ideals for irreducible components² of X_{par}

$$\begin{split} I_1^u &= \langle 4.60880 \times 10^{217} u^{59} + 2.22932 \times 10^{217} u^{58} + \dots + 2.72986 \times 10^{221} b - 9.04649 \times 10^{220}, \\ &\quad 2.36217 \times 10^{222} u^{59} + 8.17530 \times 10^{221} u^{58} + \dots + 8.32334 \times 10^{224} a + 1.63524 \times 10^{225}, \\ &\quad u^{60} + 31 u^{58} + \dots - 6806 u + 3049 \rangle \\ I_2^u &= \langle 30594119 u^{15} - 54613383 u^{14} + \dots + 339075961 b + 341724092, \\ &\quad - 312874829 u^{15} + 341866737 u^{14} + \dots + 339075961 a - 448000694, \\ &\quad u^{16} - u^{15} + 5 u^{14} - 3 u^{13} + 10 u^{12} - 7 u^{11} + u^{10} - 3 u^9 + 10 u^8 - u^7 - u^6 - 3 u^5 + 11 u^4 + 3 u^3 - 4 u^2 + 1 \rangle \end{split}$$

* 2 irreducible components of $\dim_{\mathbb{C}} = 0$, with total 76 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.

I.
$$I_1^u = \langle 4.61 \times 10^{217} u^{59} + 2.23 \times 10^{217} u^{58} + \dots + 2.73 \times 10^{221} b - 9.05 \times 10^{220}, \ 2.36 \times 10^{222} u^{59} + 8.18 \times 10^{221} u^{58} + \dots + 8.32 \times 10^{224} a + 1.64 \times 10^{225}, \ u^{60} + 31 u^{58} + \dots - 6806 u + 3049 \rangle$$

(i) Arc colorings

$$\begin{array}{l} a_2 = \begin{pmatrix} 1 \\ 0 \end{pmatrix} \\ a_{11} = \begin{pmatrix} 0 \\ u \end{pmatrix} \\ a_3 = \begin{pmatrix} 1 \\ u^2 \end{pmatrix} \\ a_7 = \begin{pmatrix} -0.00283801u^{59} - 0.000982214u^{58} + \cdots - 46.8813u - 1.96465 \\ -0.000168829u^{59} - 0.0000816642u^{58} + \cdots - 3.57585u + 0.331390 \end{pmatrix} \\ a_4 = \begin{pmatrix} -0.000945087u^{59} + 0.000227941u^{58} + \cdots - 22.2070u + 11.7845 \\ -0.000433429u^{59} - 0.000247835u^{58} + \cdots - 8.68770u - 0.364595 \end{pmatrix} \\ a_1 = \begin{pmatrix} 0.000218505u^{59} + 0.000327052u^{58} + \cdots + 4.01660u + 3.62050 \\ 0.000530540u^{59} - 0.0000863422u^{58} + \cdots + 10.7434u - 5.55537 \end{pmatrix} \\ a_6 = \begin{pmatrix} -0.00300684u^{59} - 0.00106388u^{58} + \cdots - 50.4571u - 1.63326 \\ -0.000168829u^{59} - 0.0000816642u^{58} + \cdots - 3.57585u + 0.331390 \end{pmatrix} \\ a_5 = \begin{pmatrix} -0.00300684u^{59} - 0.00106388u^{58} + \cdots - 50.4571u - 1.63326 \\ -0.0000163342u^{59} + 0.000121229u^{58} + \cdots - 1.64875u + 3.57516 \end{pmatrix} \\ a_{12} = \begin{pmatrix} 0.000720153u^{59} - 0.000752234u^{58} + \cdots + 22.6935u - 14.1062 \\ -0.000822043u^{59} + 0.000203348u^{58} + \cdots - 15.0493u + 9.22217 \end{pmatrix} \\ a_{10} = \begin{pmatrix} 0.00155459u^{59} + 0.00108020u^{58} + \cdots - 39.1669u + 27.2099 \\ 0.000345116u^{59} - 0.000186298u^{58} + \cdots + 8.73955u - 6.17511 \end{pmatrix} \\ a_9 = \begin{pmatrix} -0.00120947u^{59} + 0.000893904u^{58} + \cdots - 30.4274u + 21.0348 \\ 0.000345116u^{59} - 0.000186298u^{58} + \cdots + 8.73955u - 6.17511 \end{pmatrix} \\ a_8 = \begin{pmatrix} -0.00175525u^{59} - 0.000468763u^{58} + \cdots - 34.3728u + 3.63194 \\ 0.000128794u^{59} - 0.000138534u^{58} + \cdots - 34.3728u + 3.63194 \\ 0.000128794u^{59} - 0.000138534u^{58} + \cdots - 34.3728u + 3.63194 \\ 0.000128794u^{59} - 0.000138534u^{58} + \cdots + 3.06900u - 1.69755 \end{pmatrix}$$

- (ii) Obstruction class = -1
- (iii) Cusp Shapes = $0.00272374u^{59} + 0.00105874u^{58} + \cdots + 53.4296u 4.72817$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1	$u^{60} - 8u^{59} + \dots - 27u + 1$
c_2	$u^{60} + 31u^{58} + \dots + 6806u + 3049$
c_3	$u^{60} - 4u^{58} + \dots + 905u + 79$
c_4	$u^{60} + 3u^{59} + \dots + 6612u + 977$
c_5, c_{11}	$u^{60} + 19u^{58} + \dots + 1808u + 136$
c_6	$u^{60} + 3u^{59} + \dots + 5062u + 484$
c_7, c_8, c_{12}	$u^{60} - 2u^{59} + \dots + 12u + 1$
<i>c</i> 9	$u^{60} - 4u^{59} + \dots + 232u + 8$
c_{10}	$u^{60} + 3u^{59} + \dots + 1069u + 541$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1	$y^{60} + 2y^{59} + \dots - 233y + 1$
c_2	$y^{60} + 62y^{59} + \dots + 271621986y + 9296401$
c_3	$y^{60} - 8y^{59} + \dots - 193345y + 6241$
c_4	$y^{60} + 21y^{59} + \dots + 18369806y + 954529$
c_5, c_{11}	$y^{60} + 38y^{59} + \dots - 152832y + 18496$
<i>c</i> ₆	$y^{60} + 63y^{59} + \dots + 4369636y + 234256$
c_7, c_8, c_{12}	$y^{60} + 64y^{59} + \dots - 6y + 1$
<i>c</i> ₉	$y^{60} + 14y^{59} + \dots + 2240y + 64$
c_{10}	$y^{60} - 75y^{59} + \dots - 4777199y + 292681$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.643501 + 0.773438I		
a = 0.477987 - 0.525534I	-1.32280 - 2.56367I	5.00187 + 5.20719I
b = -0.480857 + 0.417860I		
u = 0.643501 - 0.773438I		
a = 0.477987 + 0.525534I	-1.32280 + 2.56367I	5.00187 - 5.20719I
b = -0.480857 - 0.417860I		
u = 0.926449 + 0.415748I		
a = 0.352525 + 0.205719I	-1.76277 - 1.27508I	3.66951 + 0.I
b = 0.272409 + 0.505392I		
u = 0.926449 - 0.415748I		
a = 0.352525 - 0.205719I	-1.76277 + 1.27508I	3.66951 + 0.I
b = 0.272409 - 0.505392I		
u = 0.053170 + 0.925086I		
a = 0.623976 - 0.343376I	-1.87416 - 3.34982I	-1.36055 + 8.15563I
b = -1.53558 + 0.06817I		
u = 0.053170 - 0.925086I		
a = 0.623976 + 0.343376I	-1.87416 + 3.34982I	-1.36055 - 8.15563I
b = -1.53558 - 0.06817I		
u = -0.500509 + 0.765670I		
a = -1.83740 - 0.54894I	-4.99862 + 3.16468I	-14.6216 - 8.5416I
b = 0.75841 + 1.43263I		
u = -0.500509 - 0.765670I		
a = -1.83740 + 0.54894I	-4.99862 - 3.16468I	-14.6216 + 8.5416I
b = 0.75841 - 1.43263I		
u = 0.034645 + 0.884579I		
a = 0.286455 + 0.321976I	-9.60436 + 7.44720I	-1.12455 - 5.22316I
b = -1.59579 + 0.20592I		
u = 0.034645 - 0.884579I		
a = 0.286455 - 0.321976I	-9.60436 - 7.44720I	-1.12455 + 5.22316I
b = -1.59579 - 0.20592I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.544528 + 1.008840I		
a = 0.813613 - 0.130165I	-6.88275 + 2.17208I	0
b = 0.488628 - 0.533810I		
u = -0.544528 - 1.008840I		
a = 0.813613 + 0.130165I	-6.88275 - 2.17208I	0
b = 0.488628 + 0.533810I		
u = -0.318234 + 1.129480I		
a = -0.32972 - 1.56989I	-3.89674 + 0.34222I	0
b = -0.46348 + 1.86984I		
u = -0.318234 - 1.129480I		
a = -0.32972 + 1.56989I	-3.89674 - 0.34222I	0
b = -0.46348 - 1.86984I		
u = -0.378871 + 0.636122I		
a = -2.18887 + 0.97531I	-10.56020 - 6.42506I	0.29601 + 1.69572I
b = 0.262076 - 0.282529I		
u = -0.378871 - 0.636122I		
a = -2.18887 - 0.97531I	-10.56020 + 6.42506I	0.29601 - 1.69572I
b = 0.262076 + 0.282529I		
u = 0.596985 + 0.415802I		
a = 0.630468 + 0.640731I	-1.70945 - 1.35880I	2.24467 + 5.29357I
b = 0.421600 + 0.581478I		
u = 0.596985 - 0.415802I		
a = 0.630468 - 0.640731I	-1.70945 + 1.35880I	2.24467 - 5.29357I
b = 0.421600 - 0.581478I		
u = -1.295930 + 0.133460I		
a = -0.279441 + 0.102123I	-1.99077 + 4.39001I	0
b = 0.068794 - 0.818384I		
u = -1.295930 - 0.133460I		
a = -0.279441 - 0.102123I	-1.99077 - 4.39001I	0
b = 0.068794 + 0.818384I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.540732 + 0.427519I		
a = 0.760586 + 0.277873I	-8.08596 + 1.79714I	2.34826 - 0.92148I
b = 1.34981 - 0.58688I		
u = -0.540732 - 0.427519I		
a = 0.760586 - 0.277873I	-8.08596 - 1.79714I	2.34826 + 0.92148I
b = 1.34981 + 0.58688I		
u = 0.345641 + 0.471474I		
a = 1.388840 - 0.024076I	-4.31256 + 2.44729I	0.28400 - 3.32996I
b = 0.015962 - 0.605849I		
u = 0.345641 - 0.471474I		
a = 1.388840 + 0.024076I	-4.31256 - 2.44729I	0.28400 + 3.32996I
b = 0.015962 + 0.605849I		
u = -1.29147 + 0.58402I		
a = 0.565494 - 0.060409I	-7.55798 + 1.00360I	0
b = 0.438216 - 0.286617I		
u = -1.29147 - 0.58402I		
a = 0.565494 + 0.060409I	-7.55798 - 1.00360I	0
b = 0.438216 + 0.286617I		
u = 0.05414 + 1.42407I		
a = -0.319172 + 1.234000I	6.16440 + 0.67247I	0
b = -0.01533 - 1.75620I		
u = 0.05414 - 1.42407I		
a = -0.319172 - 1.234000I	6.16440 - 0.67247I	0
b = -0.01533 + 1.75620I		
u = -0.298967 + 0.388601I		
a = 1.068600 + 0.374239I	1.029620 - 0.495284I	8.01687 + 2.31808I
b = -0.238474 + 0.258177I		
u = -0.298967 - 0.388601I		
a = 1.068600 - 0.374239I	1.029620 + 0.495284I	8.01687 - 2.31808I
b = -0.238474 - 0.258177I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.32296 + 1.49533I		
a = -0.014077 + 1.294100I	4.16311 - 5.16210I	0
b = -0.62950 - 1.74634I		
u = 0.32296 - 1.49533I		
a = -0.014077 - 1.294100I	4.16311 + 5.16210I	0
b = -0.62950 + 1.74634I		
u = 1.53276 + 0.02218I		
a = -0.430876 + 0.228519I	-8.47818 + 7.22559I	0
b = 0.008534 - 0.918471I		
u = 1.53276 - 0.02218I		
a = -0.430876 - 0.228519I	-8.47818 - 7.22559I	0
b = 0.008534 + 0.918471I		
u = 0.160181 + 0.387104I		
a = -3.57956 - 1.20981I	-3.56642 + 2.79917I	3.42811 - 0.46170I
b = 0.505995 + 0.337305I		
u = 0.160181 - 0.387104I		
a = -3.57956 + 1.20981I	-3.56642 - 2.79917I	3.42811 + 0.46170I
b = 0.505995 - 0.337305I		
u = 0.206989 + 0.338042I		
a = 1.055210 - 0.169889I	-1.68988 - 0.84367I	-1.15133 - 2.48572I
b = 0.929185 + 0.315681I		
u = 0.206989 - 0.338042I		
a = 1.055210 + 0.169889I	-1.68988 + 0.84367I	-1.15133 + 2.48572I
b = 0.929185 - 0.315681I		
u = -0.53294 + 1.53814I		
a = 0.207126 + 0.755558I	-3.90465 + 5.68518I	0
b = 0.57668 - 1.68015I		
u = -0.53294 - 1.53814I		
a = 0.207126 - 0.755558I	-3.90465 - 5.68518I	0
b = 0.57668 + 1.68015I		

$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
-0.04200 + 2.46645I	0
-0.04200 - 2.46645I	0
2.93179 - 4.03578I	0
2.93179 + 4.03578I	0
7.60928 - 4.45168I	0
7.60928 + 4.45168I	0
4.09640 + 10.99650I	0
4.09640 - 10.99650I	0
-0.33304 - 4.22189I	0
-0.33304 + 4.22189I	0
	-0.04200 - 2.46645I $2.93179 - 4.03578I$ $2.93179 + 4.03578I$ $7.60928 - 4.45168I$ $7.60928 + 4.45168I$ $4.09640 + 10.99650I$ $4.09640 - 10.99650I$ $-0.33304 - 4.22189I$

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.67460 + 1.61393I		
a = 0.214492 + 1.072810I	5.14342 + 3.33363I	0
b = 0.09563 - 1.53472I		
u = -0.67460 - 1.61393I		
a = 0.214492 - 1.072810I	5.14342 - 3.33363I	0
b = 0.09563 + 1.53472I		
u = -0.05843 + 1.75203I		
a = 0.238224 + 0.996234I	4.54407 + 0.89244I	0
b = 0.301077 - 1.305630I		
u = -0.05843 - 1.75203I		
a = 0.238224 - 0.996234I	4.54407 - 0.89244I	0
b = 0.301077 + 1.305630I		
u = 0.64109 + 1.69574I		
a = -0.124519 + 1.104800I	-2.9040 - 15.1991I	0
b = -0.52332 - 1.76203I		
u = 0.64109 - 1.69574I		
a = -0.124519 - 1.104800I	-2.9040 + 15.1991I	0
b = -0.52332 + 1.76203I		
u = -0.18386 + 1.88121I		
a = -0.161769 + 0.888934I	1.96683 + 7.20981I	0
b = 0.08443 - 1.80565I		
u = -0.18386 - 1.88121I		
a = -0.161769 - 0.888934I	1.96683 - 7.20981I	0
b = 0.08443 + 1.80565I		
u = 0.52803 + 1.98863I		
a = 0.197232 - 0.978791I	1.77020 - 3.01560I	0
b = 0.11327 + 1.46699I		
u = 0.52803 - 1.98863I		
a = 0.197232 + 0.978791I	1.77020 + 3.01560I	0
b = 0.11327 - 1.46699I		

$$II. \\ I_2^u = \langle 3.06 \times 10^7 u^{15} - 5.46 \times 10^7 u^{14} + \dots + 3.39 \times 10^8 b + 3.42 \times 10^8, \ -3.13 \times 10^8 u^{15} + 3.42 \times 10^8 u^{14} + \dots + 3.39 \times 10^8 a - 4.48 \times 10^8, \ u^{16} - u^{15} + \dots - 4u^2 + 1 \rangle$$

(i) Arc colorings

$$a_{2} = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$

$$a_{11} = \begin{pmatrix} 0 \\ u \end{pmatrix}$$

$$a_{3} = \begin{pmatrix} 1 \\ u^{2} \end{pmatrix}$$

$$a_{7} = \begin{pmatrix} 0.922728u^{15} - 1.00823u^{14} + \dots + 1.66385u + 1.32124 \\ -0.0902279u^{15} + 0.161065u^{14} + \dots + 0.181578u - 1.00781 \end{pmatrix}$$

$$a_{4} = \begin{pmatrix} -0.832500u^{15} + 0.847165u^{14} + \dots - 1.84543u + 1.68657 \\ 0.402236u^{15} - 0.549776u^{14} + \dots - 0.832500u + 1.01467 \end{pmatrix}$$

$$a_{1} = \begin{pmatrix} -0.555116u^{15} + 0.977164u^{14} + \dots + 4.61473u - 2.80921 \\ -0.661929u^{15} + 1.03099u^{14} + \dots + 1.18736u - 0.951848 \end{pmatrix}$$

$$a_{6} = \begin{pmatrix} 0.832500u^{15} - 0.847165u^{14} + \dots + 1.84543u + 0.313430 \\ -0.0902279u^{15} + 0.161065u^{14} + \dots + 1.84543u + 0.313430 \\ 0.312008u^{15} - 0.847165u^{14} + \dots + 1.84543u + 0.313430 \end{pmatrix}$$

$$a_{5} = \begin{pmatrix} 0.832500u^{15} - 0.847165u^{14} + \dots + 1.84543u + 0.313430 \\ 0.312008u^{15} - 0.388710u^{14} + \dots - 0.650922u - 0.993145 \end{pmatrix}$$

$$a_{12} = \begin{pmatrix} 1.94577u^{15} - 2.42341u^{14} + \dots - 7.34438u + 0.702070 \\ 0.0154462u^{15} - 0.545396u^{14} + \dots - 1.25235u + 0.998126 \end{pmatrix}$$

$$a_{10} = \begin{pmatrix} -1.92294u^{15} + 1.59142u^{14} + \dots + 5.80143u + 0.319406 \\ -0.0848705u^{15} + 0.506614u^{14} + \dots + 2.23637u - 0.500984 \end{pmatrix}$$

$$a_{9} = \begin{pmatrix} -2.00781u^{15} + 2.09804u^{14} + \dots + 8.03780u - 0.181578 \\ -0.0848705u^{15} + 0.506614u^{14} + \dots + 2.23637u - 0.500984 \end{pmatrix}$$

$$a_{10} = \begin{pmatrix} -1.32494u^{15} + 2.35544u^{14} + \dots + 8.03780u - 0.181578 \\ -0.0848705u^{15} + 0.506614u^{14} + \dots + 2.23637u - 0.500984 \end{pmatrix}$$

(ii) Obstruction class = 1

(iii) Cusp Shapes =
$$\frac{1384808610}{339075961}u^{15} - \frac{1263687753}{339075961}u^{14} + \dots + \frac{226684056}{339075961}u - \frac{2103842549}{339075961}u^{14} + \dots$$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1	$u^{16} - 7u^{15} + \dots - 3u + 1$
c_2	$u^{16} - u^{15} + \dots - 4u^2 + 1$
c_3	$u^{16} + 5u^{15} + \dots + 7u + 1$
c_4	$u^{16} + 2u^{14} + \dots + 4u + 1$
<i>C</i> ₅	$u^{16} - u^{15} + \dots + 8u + 8$
<i>C</i> ₆	$u^{16} + 2u^{15} + \dots + 2u + 4$
c_{7}, c_{8}	$u^{16} - u^{15} + \dots + 2u + 1$
<i>c</i> ₉	$u^{16} + 3u^{15} + \dots - 12u^2 + 8$
c_{10}	$u^{16} + 4u^{15} + \dots + 7u + 1$
c_{11}	$u^{16} + u^{15} + \dots - 8u + 8$
c_{12}	$u^{16} + u^{15} + \dots - 2u + 1$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1	$y^{16} + y^{15} + \dots + 5y + 1$
c_2	$y^{16} + 9y^{15} + \dots - 8y + 1$
<i>c</i> ₃	$y^{16} - 13y^{15} + \dots - 43y + 1$
c_4	$y^{16} + 4y^{15} + \dots + 4y + 1$
c_5, c_{11}	$y^{16} + 13y^{15} + \dots + 512y + 64$
c_6	$y^{16} + 6y^{15} + \dots - 92y + 16$
c_7, c_8, c_{12}	$y^{16} + 19y^{15} + \dots + 20y + 1$
c_9	$y^{16} - 3y^{15} + \dots - 192y + 64$
c_{10}	$y^{16} - 8y^{15} + \dots - 5y + 1$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_2^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.589845 + 0.800240I		
a = 1.285810 - 0.335799I	-4.55161 - 2.96740I	1.92397 + 1.31396I
b = -0.279376 + 1.265590I		
u = 0.589845 - 0.800240I		
a = 1.285810 + 0.335799I	-4.55161 + 2.96740I	1.92397 - 1.31396I
b = -0.279376 - 1.265590I		
u = -0.792730 + 0.515500I		
a = 0.392996 - 0.239529I	-2.25688 + 1.35793I	-13.7316 - 4.6930I
b = 0.680353 - 0.403757I		
u = -0.792730 - 0.515500I		
a = 0.392996 + 0.239529I	-2.25688 - 1.35793I	-13.7316 + 4.6930I
b = 0.680353 + 0.403757I		
u = 0.981379 + 0.390494I		
a = 0.332946 + 0.042006I	-8.66211 - 1.81322I	-12.67811 + 2.30723I
b = 1.177310 + 0.586123I		
u = 0.981379 - 0.390494I		
a = 0.332946 - 0.042006I	-8.66211 + 1.81322I	-12.67811 - 2.30723I
b = 1.177310 - 0.586123I		
u = -0.466983 + 0.965367I		
a = -0.199192 - 0.619672I	-2.00166 + 2.21071I	-4.71974 - 0.56575I
b = 0.834189 + 0.461021I		
u = -0.466983 - 0.965367I		
a = -0.199192 + 0.619672I	-2.00166 - 2.21071I	-4.71974 + 0.56575I
b = 0.834189 - 0.461021I		
u = -0.514231 + 0.162757I		
a = -0.45194 + 2.42387I	-11.46830 - 6.99777I	-7.06193 + 5.14068I
b = -0.851422 - 0.181708I		
u = -0.514231 - 0.162757I		
a = -0.45194 - 2.42387I	-11.46830 + 6.99777I	-7.06193 - 5.14068I
b = -0.851422 + 0.181708I		

Solutions to I_2^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.448216 + 0.292274I		
a = 1.86115 + 1.85868I	-4.03868 - 3.30271I	-5.15759 + 8.58149I
b = -0.755540 + 0.212836I		
u = 0.448216 - 0.292274I		
a = 1.86115 - 1.85868I	-4.03868 + 3.30271I	-5.15759 - 8.58149I
b = -0.755540 - 0.212836I		
u = -0.48663 + 1.59176I		
a = 0.174458 + 1.123490I	5.02030 + 2.85883I	1.98205 + 2.55647I
b = 0.16570 - 1.57601I		
u = -0.48663 - 1.59176I		
a = 0.174458 - 1.123490I	5.02030 - 2.85883I	1.98205 - 2.55647I
b = 0.16570 + 1.57601I		
u = 0.74113 + 1.80908I		
a = 0.103771 - 1.009800I	1.63996 - 4.08509I	2.94294 + 6.31121I
b = 0.02879 + 1.43665I		
u = 0.74113 - 1.80908I		
a = 0.103771 + 1.009800I	1.63996 + 4.08509I	2.94294 - 6.31121I
b = 0.02879 - 1.43665I		

III. u-Polynomials

Crossings	u-Polynomials at each crossing
c_1	$ \left (u^{16} - 7u^{15} + \dots - 3u + 1)(u^{60} - 8u^{59} + \dots - 27u + 1) \right $
c_2	$ (u^{16} - u^{15} + \dots - 4u^2 + 1)(u^{60} + 31u^{58} + \dots + 6806u + 3049) $
c_3	$(u^{16} + 5u^{15} + \dots + 7u + 1)(u^{60} - 4u^{58} + \dots + 905u + 79)$
c_4	$(u^{16} + 2u^{14} + \dots + 4u + 1)(u^{60} + 3u^{59} + \dots + 6612u + 977)$
c_5	$(u^{16} - u^{15} + \dots + 8u + 8)(u^{60} + 19u^{58} + \dots + 1808u + 136)$
c_6	$ (u^{16} + 2u^{15} + \dots + 2u + 4)(u^{60} + 3u^{59} + \dots + 5062u + 484) $
c_{7}, c_{8}	$ (u^{16} - u^{15} + \dots + 2u + 1)(u^{60} - 2u^{59} + \dots + 12u + 1) $
<i>c</i> ₉	$(u^{16} + 3u^{15} + \dots - 12u^2 + 8)(u^{60} - 4u^{59} + \dots + 232u + 8)$
c_{10}	$(u^{16} + 4u^{15} + \dots + 7u + 1)(u^{60} + 3u^{59} + \dots + 1069u + 541)$
c_{11}	$(u^{16} + u^{15} + \dots - 8u + 8)(u^{60} + 19u^{58} + \dots + 1808u + 136)$
c_{12}	$(u^{16} + u^{15} + \dots - 2u + 1)(u^{60} - 2u^{59} + \dots + 12u + 1)$

IV. Riley Polynomials

Crossings	Riley Polynomials at each crossing
c_1	$y^{16} + y^{15} + \dots + 5y + 1)(y^{60} + 2y^{59} + \dots - 233y + 1)$
c_2	$(y^{16} + 9y^{15} + \dots - 8y + 1)$ $\cdot (y^{60} + 62y^{59} + \dots + 271621986y + 9296401)$
c_3	$ (y^{16} - 13y^{15} + \dots - 43y + 1)(y^{60} - 8y^{59} + \dots - 193345y + 6241) $
<i>c</i> ₄	$(y^{16} + 4y^{15} + \dots + 4y + 1)(y^{60} + 21y^{59} + \dots + 1.83698 \times 10^{7}y + 954529)$
c_5,c_{11}	$(y^{16} + 13y^{15} + \dots + 512y + 64)$ $\cdot (y^{60} + 38y^{59} + \dots - 152832y + 18496)$
c_6	$(y^{16} + 6y^{15} + \dots - 92y + 16)$ $\cdot (y^{60} + 63y^{59} + \dots + 4369636y + 234256)$
c_7, c_8, c_{12}	$(y^{16} + 19y^{15} + \dots + 20y + 1)(y^{60} + 64y^{59} + \dots - 6y + 1)$
<i>C</i> 9	$(y^{16} - 3y^{15} + \dots - 192y + 64)(y^{60} + 14y^{59} + \dots + 2240y + 64)$
c_{10}	$(y^{16} - 8y^{15} + \dots - 5y + 1)(y^{60} - 75y^{59} + \dots - 4777199y + 292681)$