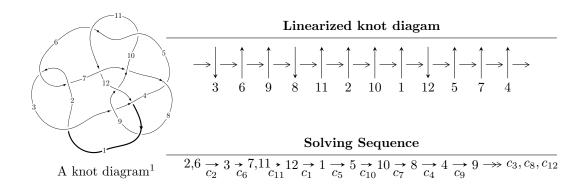
$12a_{0362} \ (K12a_{0362})$



Ideals for irreducible components² of X_{par}

$$\begin{split} I_1^u &= \langle 1.09391 \times 10^{617} u^{177} - 1.02067 \times 10^{617} u^{176} + \dots + 4.00936 \times 10^{618} b + 2.51829 \times 10^{617}, \\ &- 4.73704 \times 10^{618} u^{177} - 4.88897 \times 10^{618} u^{176} + \dots + 4.00936 \times 10^{618} a - 1.44374 \times 10^{620}, \\ &u^{178} + u^{177} + \dots + 27u + 1 \rangle \\ I_2^u &= \langle 3.79704 \times 10^{21} u^{47} - 3.10231 \times 10^{21} u^{46} + \dots + 8.55789 \times 10^{20} b - 1.69805 \times 10^{21}, \\ &- 7.58940 \times 10^{21} u^{47} - 4.07284 \times 10^{21} u^{46} + \dots + 8.55789 \times 10^{20} a - 7.94307 \times 10^{21}, \\ &u^{48} + 12 u^{46} + \dots - 2u + 1 \rangle \end{split}$$

* 2 irreducible components of $\dim_{\mathbb{C}} = 0$, with total 226 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.
$$I_1^u = \langle 1.09 \times 10^{617} u^{177} - 1.02 \times 10^{617} u^{176} + \dots + 4.01 \times 10^{618} b + 2.52 \times 10^{617}, \ -4.74 \times 10^{618} u^{177} - 4.89 \times 10^{618} u^{176} + \dots + 4.01 \times 10^{618} a - 1.44 \times 10^{620}, \ u^{178} + u^{177} + \dots + 27u + 1 \rangle$$

(i) Arc colorings

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

$$a_{6} = \begin{pmatrix} 0 \\ u \end{pmatrix}$$

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

$$a_{7} = \begin{pmatrix} u \\ u \end{pmatrix}$$

$$a_{11} = \begin{pmatrix} 1.18150u^{177} + 1.21939u^{176} + \dots + 353.860u + 36.0091 \\ -0.0272838u^{177} + 0.0254572u^{176} + \dots + 5.11312u - 0.0628102 \end{pmatrix}$$

$$a_{12} = \begin{pmatrix} 1.21048u^{177} + 1.23059u^{176} + \dots + 354.668u + 35.9943 \\ 0.00169582u^{177} + 0.0366573u^{176} + \dots + 5.92101u - 0.0776582 \end{pmatrix}$$

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

$$a_{5} = \begin{pmatrix} 1.04511u^{177} + 1.08550u^{176} + \dots + 356.876u + 46.2201 \\ 0.0459851u^{177} + 0.0553124u^{176} + \dots + 7.19847u - 0.0711398 \end{pmatrix}$$

$$a_{10} = \begin{pmatrix} 0.655716u^{177} + 0.546379u^{176} + \dots + 57.3868u - 21.4494 \\ -0.0378264u^{177} + 0.0399914u^{176} + \dots + 6.74129u - 0.145199 \end{pmatrix}$$

$$a_{8} = \begin{pmatrix} 4.84434u^{177} + 4.44597u^{176} + \dots + 1101.50u + 25.6482 \\ -0.0951260u^{177} - 0.0570468u^{176} + \dots - 25.9785u - 1.52855 \end{pmatrix}$$

$$a_{4} = \begin{pmatrix} -2.51573u^{177} - 2.54974u^{176} + \dots - 703.900u - 59.4404 \\ -0.0301826u^{177} + 0.0231466u^{176} + \dots - 6.39834u + 0.288022 \end{pmatrix}$$

$$a_{9} = \begin{pmatrix} 4.74229u^{177} + 4.34896u^{176} + \dots + 1074.28u + 24.0664 \\ -0.0996690u^{177} - 0.0662741u^{176} + \dots - 26.1414u - 1.53430 \end{pmatrix}$$

- (ii) Obstruction class = -1
- (iii) Cusp Shapes = $-0.559391u^{177} 0.623730u^{176} + \cdots 171.415u 9.44612$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1	$u^{178} + 65u^{177} + \dots - 113u + 1$
c_2, c_6	$u^{178} - u^{177} + \dots - 27u + 1$
<i>c</i> ₃	$u^{178} + 2u^{177} + \dots + 264305u - 19304$
c_4	$u^{178} + 4u^{177} + \dots - 1021989622123u + 820796062693$
c_5,c_{10}	$u^{178} + u^{177} + \dots - 587u - 22$
C ₇	$u^{178} - 7u^{177} + \dots - 12535015u + 2055653$
<i>c</i> ₈	$u^{178} - 5u^{177} + \dots - 3889465u - 320519$
c_9	$u^{178} - 13u^{177} + \dots - 562102508u - 86410391$
c_{11}	$u^{178} + u^{177} + \dots - 235642121u - 12599233$
c_{12}	$u^{178} + 14u^{177} + \dots + 2u + 1$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1	$y^{178} + 105y^{177} + \dots + 63999y + 1$
c_2, c_6	$y^{178} + 65y^{177} + \dots - 113y + 1$
<i>c</i> ₃	$y^{178} - 36y^{177} + \dots - 39240487121y + 372644416$
c_4	$y^{178} + 106y^{177} + \dots + 2.21 \times 10^{25}y + 6.74 \times 10^{23}$
c_5, c_{10}	$y^{178} - 129y^{177} + \dots + 282299y + 484$
C ₇	$y^{178} - 71y^{177} + \dots - 350661278205151y + 4225709256409$
c ₈	$y^{178} - 55y^{177} + \dots - 10252412577651y + 102732429361$
<i>c</i> 9	$y^{178} + 55y^{177} + \dots - 886494592097220180y + 7466755672772881$
c_{11}	$y^{178} - 73y^{177} + \dots - 10158224326040469y + 158740672188289$
c_{12}	$y^{178} - 30y^{177} + \dots - 146y + 1$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.859119 + 0.513450I		
a = 0.878085 + 0.650808I	3.82339 - 3.46114I	0
b = -0.079104 + 0.339433I		
u = -0.859119 - 0.513450I		
a = 0.878085 - 0.650808I	3.82339 + 3.46114I	0
b = -0.079104 - 0.339433I		
u = -0.769874 + 0.628691I		
a = 1.062890 + 0.791096I	7.94922 - 4.21758I	0
b = 0.139084 - 0.368892I		
u = -0.769874 - 0.628691I		
a = 1.062890 - 0.791096I	7.94922 + 4.21758I	0
b = 0.139084 + 0.368892I		
u = 0.828996 + 0.571670I		
a = -0.222017 + 0.078368I	4.78436 - 3.83299I	0
b = 0.898670 + 0.188255I		
u = 0.828996 - 0.571670I		
a = -0.222017 - 0.078368I	4.78436 + 3.83299I	0
b = 0.898670 - 0.188255I		
u = 0.757172 + 0.670466I		
a = -0.596915 + 1.020860I	4.28018 - 5.54866I	0
b = 0.670345 - 0.643006I		
u = 0.757172 - 0.670466I		
a = -0.596915 - 1.020860I	4.28018 + 5.54866I	0
b = 0.670345 + 0.643006I		
u = 0.107519 + 0.981553I		
a = 0.72058 - 1.23183I	0.03298 + 5.95784I	0
b = 1.17714 - 1.48945I		
u = 0.107519 - 0.981553I		
a = 0.72058 + 1.23183I	0.03298 - 5.95784I	0
b = 1.17714 + 1.48945I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.756664 + 0.679092I		
a = 0.870722 + 0.890242I	7.78438 + 0.31609I	0
b = 0.293058 - 1.194150I		
u = -0.756664 - 0.679092I		
a = 0.870722 - 0.890242I	7.78438 - 0.31609I	0
b = 0.293058 + 1.194150I		
u = -0.594996 + 0.827585I		
a = -0.401958 + 0.343841I	0.93989 - 2.36745I	0
b = -0.460488 + 0.330134I		
u = -0.594996 - 0.827585I		
a = -0.401958 - 0.343841I	0.93989 + 2.36745I	0
b = -0.460488 - 0.330134I		
u = 0.253130 + 0.991188I		
a = 0.867623 + 0.472107I	-4.57167 + 0.21050I	0
b = 1.69934 + 0.19609I		
u = 0.253130 - 0.991188I		
a = 0.867623 - 0.472107I	-4.57167 - 0.21050I	0
b = 1.69934 - 0.19609I		
u = -0.131776 + 1.017800I		
a = 0.494203 + 0.552245I	-2.10237 - 1.80316I	0
b = 1.161010 + 0.499242I		
u = -0.131776 - 1.017800I		
a = 0.494203 - 0.552245I	-2.10237 + 1.80316I	0
b = 1.161010 - 0.499242I		
u = 0.775066 + 0.586338I		
a = -1.116910 + 0.569471I	4.30200 + 4.87126I	0
b = -1.122590 - 0.417819I		
u = 0.775066 - 0.586338I		
a = -1.116910 - 0.569471I	4.30200 - 4.87126I	0
b = -1.122590 + 0.417819I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.753236 + 0.705012I		
a = 0.83959 + 1.20984I	8.60996 + 5.04071I	0
b = 0.337302 - 0.543381I		
u = -0.753236 - 0.705012I		
a = 0.83959 - 1.20984I	8.60996 - 5.04071I	0
b = 0.337302 + 0.543381I		
u = 0.798217 + 0.659087I		
a = -1.069600 + 0.894830I	8.49438 + 4.02316I	0
b = -0.426248 + 0.113939I		
u = 0.798217 - 0.659087I		
a = -1.069600 - 0.894830I	8.49438 - 4.02316I	0
b = -0.426248 - 0.113939I		
u = 0.685243 + 0.784827I		
a = -0.832875 + 0.846927I	7.68740 + 4.28971I	0
b = -3.09122 + 0.73027I		
u = 0.685243 - 0.784827I		
a = -0.832875 - 0.846927I	7.68740 - 4.28971I	0
b = -3.09122 - 0.73027I		
u = 0.637082 + 0.831471I		
a = -0.229566 - 0.842409I	2.15438 - 1.12472I	0
b = -0.273081 + 0.048990I		
u = 0.637082 - 0.831471I		
a = -0.229566 + 0.842409I	2.15438 + 1.12472I	0
b = -0.273081 - 0.048990I		
u = 0.784595 + 0.697307I		
a = -0.73293 + 1.28579I	8.72690 - 5.63788I	0
b = -0.0027880 - 0.0512937I		
u = 0.784595 - 0.697307I		
a = -0.73293 - 1.28579I	8.72690 + 5.63788I	0
b = -0.0027880 + 0.0512937I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.710413 + 0.778956I		
a = 0.730661 + 0.825186I	7.32413 + 4.13987I	0
b = 3.22342 + 0.11499I		
u = -0.710413 - 0.778956I		
a = 0.730661 - 0.825186I	7.32413 - 4.13987I	0
b = 3.22342 - 0.11499I		
u = 0.654489 + 0.827755I		
a = -0.066925 - 0.212319I	3.54333 + 0.77174I	0
b = -0.471130 + 0.763997I		
u = 0.654489 - 0.827755I		
a = -0.066925 + 0.212319I	3.54333 - 0.77174I	0
b = -0.471130 - 0.763997I		
u = -0.690909 + 0.807146I		
a = 0.755212 - 0.280451I	1.63802 + 1.17939I	0
b = 1.122940 + 0.761376I		
u = -0.690909 - 0.807146I		
a = 0.755212 + 0.280451I	1.63802 - 1.17939I	0
b = 1.122940 - 0.761376I		
u = -0.051295 + 0.932997I		
a = 0.196937 - 1.390440I	3.00062 + 4.93850I	0
b = 1.35534 + 0.65426I		
u = -0.051295 - 0.932997I		
a = 0.196937 + 1.390440I	3.00062 - 4.93850I	0
b = 1.35534 - 0.65426I		
u = 0.055992 + 1.067270I		
a = 0.299556 - 1.180360I	2.98711 + 4.93923I	0
b = 0.95259 - 1.87025I		
u = 0.055992 - 1.067270I		
a = 0.299556 + 1.180360I	2.98711 - 4.93923I	0
b = 0.95259 + 1.87025I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.776104 + 0.743970I		
a = 0.79359 + 1.33980I	5.84158 + 5.25276I	0
b = 0.647679 + 0.121307I		
u = -0.776104 - 0.743970I		
a = 0.79359 - 1.33980I	5.84158 - 5.25276I	0
b = 0.647679 - 0.121307I		
u = -0.088160 + 0.920459I		
a = 0.735937 + 0.551662I	-2.06178 - 2.35501I	0
b = 1.84008 + 0.63131I		
u = -0.088160 - 0.920459I		
a = 0.735937 - 0.551662I	-2.06178 + 2.35501I	0
b = 1.84008 - 0.63131I		
u = -0.901902 + 0.589366I		
a = -0.384938 + 0.899525I	4.97624 + 0.02860I	0
b = -0.864785 + 0.056309I		
u = -0.901902 - 0.589366I		
a = -0.384938 - 0.899525I	4.97624 - 0.02860I	0
b = -0.864785 - 0.056309I		
u = -1.005860 + 0.386592I		
a = -0.023711 - 0.415093I	3.41766 - 4.52329I	0
b = -0.759654 + 0.149267I		
u = -1.005860 - 0.386592I		
a = -0.023711 + 0.415093I	3.41766 + 4.52329I	0
b = -0.759654 - 0.149267I		
u = 0.431856 + 0.988775I		
a = -0.744058 + 0.282002I	-3.53082 + 5.68006I	0
b = -1.64677 - 0.15271I		
u = 0.431856 - 0.988775I		
a = -0.744058 - 0.282002I	-3.53082 - 5.68006I	0
b = -1.64677 + 0.15271I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.865071 + 0.648349I		
a = 0.487618 + 0.969661I	5.18069 - 8.61128I	0
b = 0.859200 + 0.065849I		
u = 0.865071 - 0.648349I		
a = 0.487618 - 0.969661I	5.18069 + 8.61128I	0
b = 0.859200 - 0.065849I		
u = -0.064158 + 1.081380I		
a = -0.252839 - 0.873070I	-1.49500 - 5.13459I	0
b = -1.14380 - 2.03276I		
u = -0.064158 - 1.081380I		
a = -0.252839 + 0.873070I	-1.49500 + 5.13459I	0
b = -1.14380 + 2.03276I		
u = 0.807956 + 0.726655I		
a = 0.622056 - 0.923463I	4.33289 - 1.17468I	0
b = 0.343229 + 0.357295I		
u = 0.807956 - 0.726655I		
a = 0.622056 + 0.923463I	4.33289 + 1.17468I	0
b = 0.343229 - 0.357295I		
u = -0.611960 + 0.902463I		
a = -0.430207 + 0.590458I	0.82840 - 2.33599I	0
b = -0.906526 + 0.597908I		
u = -0.611960 - 0.902463I		
a = -0.430207 - 0.590458I	0.82840 + 2.33599I	0
b = -0.906526 - 0.597908I		
u = 0.822939 + 0.719679I		
a = -0.75598 + 1.20689I	8.82515 - 1.40475I	0
b = -0.243981 + 0.322001I		
u = 0.822939 - 0.719679I		
a = -0.75598 - 1.20689I	8.82515 + 1.40475I	0
b = -0.243981 - 0.322001I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.691061 + 0.850501I		
a = 0.828554 - 0.792813I	3.58193 - 0.54006I	0
b = 1.280470 - 0.004560I		
u = -0.691061 - 0.850501I		
a = 0.828554 + 0.792813I	3.58193 + 0.54006I	0
b = 1.280470 + 0.004560I		
u = -0.087457 + 1.094210I		
a = -0.413329 - 1.032040I	2.65095 - 5.47553I	0
b = -0.74889 - 1.91427I		
u = -0.087457 - 1.094210I		
a = -0.413329 + 1.032040I	2.65095 + 5.47553I	0
b = -0.74889 + 1.91427I		
u = 0.653656 + 0.885750I		
a = -0.097818 - 0.187833I	3.36699 + 4.32043I	0
b = -1.168800 + 0.285092I		
u = 0.653656 - 0.885750I		
a = -0.097818 + 0.187833I	3.36699 - 4.32043I	0
b = -1.168800 - 0.285092I		
u = -0.754634 + 0.802429I		
a = 1.40553 + 0.56485I	8.91407 + 1.56813I	0
b = 2.09554 + 0.90708I		
u = -0.754634 - 0.802429I		
a = 1.40553 - 0.56485I	8.91407 - 1.56813I	0
b = 2.09554 - 0.90708I		
u = 0.689892 + 0.867882I		
a = -1.28608 - 1.09970I	-0.83658 + 2.65588I	0
b = -1.70168 - 0.72921I		
u = 0.689892 - 0.867882I		
a = -1.28608 + 1.09970I	-0.83658 - 2.65588I	0
b = -1.70168 + 0.72921I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.773330 + 0.796565I		
a = -1.279430 + 0.485677I	8.47619 + 6.26633I	0
b = -2.13274 + 1.02589I		
u = 0.773330 - 0.796565I		
a = -1.279430 - 0.485677I	8.47619 - 6.26633I	0
b = -2.13274 - 1.02589I		
u = 0.665589 + 0.894658I		
a = -0.737613 - 0.146634I	1.94371 + 6.21477I	0
b = -1.80750 + 0.04262I		
u = 0.665589 - 0.894658I		
a = -0.737613 + 0.146634I	1.94371 - 6.21477I	0
b = -1.80750 - 0.04262I		
u = -0.428880 + 0.773481I		
a = -0.865618 - 0.145860I	1.21674 - 2.08359I	0
b = -0.570865 - 0.217822I		
u = -0.428880 - 0.773481I		
a = -0.865618 + 0.145860I	1.21674 + 2.08359I	0
b = -0.570865 + 0.217822I		
u = -0.691421 + 0.881730I		
a = 0.835843 - 0.747645I	3.48485 - 4.78094I	0
b = 1.66018 - 0.21199I		
u = -0.691421 - 0.881730I		
a = 0.835843 + 0.747645I	3.48485 + 4.78094I	0
b = 1.66018 + 0.21199I		
u = 0.213123 + 1.100780I		
a = 0.115302 - 0.855901I	1.53168 - 0.09302I	0
b = 1.005820 - 0.949934I		
u = 0.213123 - 1.100780I		
a = 0.115302 + 0.855901I	1.53168 + 0.09302I	0
b = 1.005820 + 0.949934I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.059714 + 0.861764I		
a = -0.12660 - 1.76033I	3.88079 + 3.25094I	0
b = -0.729951 - 0.215953I		
u = 0.059714 - 0.861764I		
a = -0.12660 + 1.76033I	3.88079 - 3.25094I	0
b = -0.729951 + 0.215953I		
u = -0.684588 + 0.912465I		
a = 0.333389 - 0.748729I	1.31431 - 6.48090I	0
b = 1.47026 - 0.18844I		
u = -0.684588 - 0.912465I		
a = 0.333389 + 0.748729I	1.31431 + 6.48090I	0
b = 1.47026 + 0.18844I		
u = 0.664597 + 0.931591I		
a = 0.612186 - 0.990866I	7.22827 + 0.93256I	0
b = 0.711918 + 1.214260I		
u = 0.664597 - 0.931591I		
a = 0.612186 + 0.990866I	7.22827 - 0.93256I	0
b = 0.711918 - 1.214260I		
u = -0.068617 + 0.851219I		
a = -0.528934 - 0.784604I	-2.27221 + 2.52251I	0
b = -1.90863 + 0.32368I		
u = -0.068617 - 0.851219I		
a = -0.528934 + 0.784604I	-2.27221 - 2.52251I	0
b = -1.90863 - 0.32368I		
u = -0.248823 + 1.130670I		
a = -0.079674 + 0.755072I	-2.76644 - 2.09143I	0
b = -0.281280 + 1.004990I		
u = -0.248823 - 1.130670I		
a = -0.079674 - 0.755072I	-2.76644 + 2.09143I	0
b = -0.281280 - 1.004990I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.688153 + 0.941493I		
a = -0.655244 - 0.836923I	6.81987 - 9.51359I	0
b = -1.49070 + 1.61362I		
u = -0.688153 - 0.941493I		
a = -0.655244 + 0.836923I	6.81987 + 9.51359I	0
b = -1.49070 - 1.61362I		
u = -0.435549 + 1.091350I		
a = -0.474695 - 0.580565I	1.36962 - 1.85138I	0
b = -0.378871 - 1.013870I		
u = -0.435549 - 1.091350I		
a = -0.474695 + 0.580565I	1.36962 + 1.85138I	0
b = -0.378871 + 1.013870I		
u = -0.426238 + 1.095500I		
a = 0.722885 + 0.789432I	-1.62591 - 5.22432I	0
b = 1.73771 + 1.27777I		
u = -0.426238 - 1.095500I		
a = 0.722885 - 0.789432I	-1.62591 + 5.22432I	0
b = 1.73771 - 1.27777I		
u = -0.725869 + 0.933806I		
a = -0.42474 - 1.41475I	8.50836 - 7.19045I	0
b = -0.085973 - 0.555687I		
u = -0.725869 - 0.933806I		
a = -0.42474 + 1.41475I	8.50836 + 7.19045I	0
b = -0.085973 + 0.555687I		
u = 0.138314 + 0.794865I		
a = 1.84525 + 0.01750I	-3.88408 + 0.62478I	0
b = 2.23043 + 0.11273I		
u = 0.138314 - 0.794865I		
a = 1.84525 - 0.01750I	-3.88408 - 0.62478I	0
b = 2.23043 - 0.11273I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.175867 + 1.183090I		
a = -0.773028 + 0.269015I	-1.98898 - 7.82821I	0
b = -1.66233 - 0.24987I		
u = -0.175867 - 1.183090I		
a = -0.773028 - 0.269015I	-1.98898 + 7.82821I	0
b = -1.66233 + 0.24987I		
u = 0.742769 + 0.943105I		
a = 0.399672 - 1.257800I	8.02705 - 0.53637I	0
b = -0.070820 - 0.167804I		
u = 0.742769 - 0.943105I		
a = 0.399672 + 1.257800I	8.02705 + 0.53637I	0
b = -0.070820 + 0.167804I		
u = -1.005000 + 0.674254I		
a = -0.763454 - 0.991265I	10.3472 + 14.3037I	0
b = -0.186321 + 0.306636I		
u = -1.005000 - 0.674254I		
a = -0.763454 + 0.991265I	10.3472 - 14.3037I	0
b = -0.186321 - 0.306636I		
u = -0.722759 + 0.976981I		
a = -1.157800 - 0.801730I	5.12931 - 10.92910I	0
b = -2.24336 - 0.88064I		
u = -0.722759 - 0.976981I		
a = -1.157800 + 0.801730I	5.12931 + 10.92910I	0
b = -2.24336 + 0.88064I		
u = -0.702421 + 0.992930I		
a = -0.951897 - 0.798342I	7.73847 - 10.59110I	0
b = -2.47015 - 1.19092I		
u = -0.702421 - 0.992930I		
a = -0.951897 + 0.798342I	7.73847 + 10.59110I	0
b = -2.47015 + 1.19092I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.082395 + 0.770905I		
a = -0.971468 - 0.380948I	0.10404 + 1.41923I	0
b = -1.62493 + 0.50157I		
u = -0.082395 - 0.770905I		
a = -0.971468 + 0.380948I	0.10404 - 1.41923I	0
b = -1.62493 - 0.50157I		
u = -0.702625 + 1.003460I		
a = -0.669800 - 0.752517I	6.81481 - 5.87899I	0
b = -2.55167 - 1.06670I		
u = -0.702625 - 1.003460I		
a = -0.669800 + 0.752517I	6.81481 + 5.87899I	0
b = -2.55167 + 1.06670I		
u = 0.695367 + 1.008570I		
a = 0.773696 - 0.531545I	3.26597 + 11.08620I	0
b = 2.30392 - 1.67276I		
u = 0.695367 - 1.008570I		
a = 0.773696 + 0.531545I	3.26597 - 11.08620I	0
b = 2.30392 + 1.67276I		
u = 0.733919 + 0.990989I		
a = -0.830395 + 0.547240I	3.52769 + 6.96997I	0
b = -2.06470 + 0.68682I		
u = 0.733919 - 0.990989I		
a = -0.830395 - 0.547240I	3.52769 - 6.96997I	0
b = -2.06470 - 0.68682I		
u = 0.716172 + 1.004540I		
a = 1.061840 - 0.659607I	7.79793 + 11.31820I	0
b = 2.20371 - 1.26389I		
u = 0.716172 - 1.004540I		
a = 1.061840 + 0.659607I	7.79793 - 11.31820I	0
b = 2.20371 + 1.26389I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.036263 + 1.236210I		
a = 0.478298 + 0.242680I	-1.69291 - 2.11297I	0
b = 1.086370 - 0.243911I		
u = -0.036263 - 1.236210I		
a = 0.478298 - 0.242680I	-1.69291 + 2.11297I	0
b = 1.086370 + 0.243911I		
u = 0.743439 + 1.000500I		
a = 1.087320 - 0.661064I	7.97270 + 7.27578I	0
b = 1.86657 - 1.00083I		
u = 0.743439 - 1.000500I		
a = 1.087320 + 0.661064I	7.97270 - 7.27578I	0
b = 1.86657 + 1.00083I		
u = 0.770932 + 0.989960I		
a = 0.569631 - 0.719099I	3.15900 + 1.27533I	0
b = 1.46215 + 0.02503I		
u = 0.770932 - 0.989960I		
a = 0.569631 + 0.719099I	3.15900 - 1.27533I	0
b = 1.46215 - 0.02503I		
u = -0.704185 + 1.047690I		
a = -0.551114 - 0.782373I	6.70026 - 1.40092I	0
b = -1.47313 - 1.28236I		
u = -0.704185 - 1.047690I		
a = -0.551114 + 0.782373I	6.70026 + 1.40092I	0
b = -1.47313 + 1.28236I		
u = -0.720421 + 0.150681I		
a = -1.44269 - 0.63606I	1.21559 + 1.05115I	0
b = -0.255260 + 0.132036I		
u = -0.720421 - 0.150681I		
a = -1.44269 + 0.63606I	1.21559 - 1.05115I	0
b = -0.255260 - 0.132036I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.801475 + 0.979398I		
a = -0.141509 + 0.455445I	1.95365 - 2.74171I	0
b = -0.351013 - 0.132418I		
u = -0.801475 - 0.979398I		
a = -0.141509 - 0.455445I	1.95365 + 2.74171I	0
b = -0.351013 + 0.132418I		
u = 0.701114 + 1.060560I		
a = 0.151344 + 0.000224I	3.34759 + 9.55470I	0
b = 0.284550 - 0.952431I		
u = 0.701114 - 1.060560I		
a = 0.151344 - 0.000224I	3.34759 - 9.55470I	0
b = 0.284550 + 0.952431I		
u = 0.729457 + 1.043250I		
a = 0.696053 - 0.802762I	7.34414 + 1.75059I	0
b = 1.26712 - 1.09205I		
u = 0.729457 - 1.043250I		
a = 0.696053 + 0.802762I	7.34414 - 1.75059I	0
b = 1.26712 + 1.09205I		
u = 0.732727 + 1.048180I		
a = 0.875464 + 0.488862I	3.9657 + 14.5518I	0
b = 1.73923 + 0.05978I		
u = 0.732727 - 1.048180I		
a = 0.875464 - 0.488862I	3.9657 - 14.5518I	0
b = 1.73923 - 0.05978I		
u = -0.852755 + 0.957193I		
a = -0.710020 - 0.064648I	2.11614 - 3.69480I	0
b = -1.271960 - 0.230455I		
u = -0.852755 - 0.957193I		
a = -0.710020 + 0.064648I	2.11614 + 3.69480I	0
b = -1.271960 + 0.230455I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 1.094870 + 0.671460I		
a = 0.733909 - 0.867549I	9.84869 - 5.25746I	0
b = 0.236044 + 0.300448I		
u = 1.094870 - 0.671460I		
a = 0.733909 + 0.867549I	9.84869 + 5.25746I	0
b = 0.236044 - 0.300448I		
u = 0.096098 + 0.695738I		
a = 0.0357836 + 0.0332813I	-1.51047 - 2.72987I	0
b = 1.48260 + 0.81204I		
u = 0.096098 - 0.695738I		
a = 0.0357836 - 0.0332813I	-1.51047 + 2.72987I	0
b = 1.48260 - 0.81204I		
u = 0.966910 + 0.869936I		
a = -0.699102 + 0.500178I	3.86258 + 5.08823I	0
b = -1.360340 + 0.048456I		
u = 0.966910 - 0.869936I		
a = -0.699102 - 0.500178I	3.86258 - 5.08823I	0
b = -1.360340 - 0.048456I		
u = -0.742479 + 1.084170I		
a = -0.807523 + 0.464536I	3.49514 - 6.09670I	0
b = -1.59770 - 0.02630I		
u = -0.742479 - 1.084170I		
a = -0.807523 - 0.464536I	3.49514 + 6.09670I	0
b = -1.59770 + 0.02630I		
u = -1.164130 + 0.651829I		
a = -0.824760 - 0.479288I	9.25733 + 3.82884I	0
b = -0.366986 + 0.021813I		
u = -1.164130 - 0.651829I		
a = -0.824760 + 0.479288I	9.25733 - 3.82884I	0
b = -0.366986 - 0.021813I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 1.335180 + 0.045870I		
a = 0.887390 + 0.167378I	6.37524 + 7.37469I	0
b = 0.343460 - 0.122500I		
u = 1.335180 - 0.045870I		
a = 0.887390 - 0.167378I	6.37524 - 7.37469I	0
b = 0.343460 + 0.122500I		
u = -0.790060 + 1.099730I		
a = 0.950162 + 0.640629I	8.9890 - 20.8349I	0
b = 2.25178 + 1.08655I		
u = -0.790060 - 1.099730I		
a = 0.950162 - 0.640629I	8.9890 + 20.8349I	0
b = 2.25178 - 1.08655I		
u = 0.334535 + 1.318430I		
a = -0.555325 + 0.783450I	1.27806 + 12.92240I	0
b = -1.35765 + 1.23647I		
u = 0.334535 - 1.318430I		
a = -0.555325 - 0.783450I	1.27806 - 12.92240I	0
b = -1.35765 - 1.23647I		
u = 0.820487 + 1.128710I		
a = -0.901461 + 0.609622I	8.3665 + 12.1206I	0
b = -2.15815 + 0.99885I		
u = 0.820487 - 1.128710I		
a = -0.901461 - 0.609622I	8.3665 - 12.1206I	0
b = -2.15815 - 0.99885I		
u = -0.84675 + 1.15566I		
a = 0.606012 + 0.664215I	7.63515 - 10.95400I	0
b = 1.28122 + 0.90160I		
u = -0.84675 - 1.15566I		
a = 0.606012 - 0.664215I	7.63515 + 10.95400I	0
b = 1.28122 - 0.90160I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.111264 + 0.500899I		
a = -1.05084 + 1.84611I	5.24999 - 2.60465I	6.00000 - 2.19743I
b = 0.35212 + 2.83449I		
u = 0.111264 - 0.500899I		
a = -1.05084 - 1.84611I	5.24999 + 2.60465I	6.00000 + 2.19743I
b = 0.35212 - 2.83449I		
u = 0.474765 + 0.159668I		
a = 0.004254 - 1.231340I	-1.47546 - 2.14453I	3.64707 + 4.72964I
b = 0.444753 + 0.198724I		
u = 0.474765 - 0.159668I		
a = 0.004254 + 1.231340I	-1.47546 + 2.14453I	3.64707 - 4.72964I
b = 0.444753 - 0.198724I		
u = -0.114297 + 0.482770I		
a = 1.04291 + 1.66251I	4.76657 - 5.56271I	4.06278 + 7.70334I
b = -0.91928 + 3.13674I		
u = -0.114297 - 0.482770I		
a = 1.04291 - 1.66251I	4.76657 + 5.56271I	4.06278 - 7.70334I
b = -0.91928 - 3.13674I		
u = -0.40684 + 1.55903I		
a = 0.470985 + 0.439308I	-0.41217 - 2.02918I	0
b = 1.151410 + 0.310739I		
u = -0.40684 - 1.55903I		
a = 0.470985 - 0.439308I	-0.41217 + 2.02918I	0
b = 1.151410 - 0.310739I		
u = -0.378304		
a = -1.13027	0.787959	13.0920
b = -0.295865		
u = -0.070585 + 0.282507I		
a = -2.27120 - 0.63975I	0.99613 - 1.75427I	5.45625 + 2.95586I
b = -0.193003 + 0.277598I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.070585 - 0.282507I		
a = -2.27120 + 0.63975I	0.99613 + 1.75427I	5.45625 - 2.95586I
b = -0.193003 - 0.277598I		
u = 0.12680 + 1.71644I		
a = 0.031494 + 0.627770I	-0.259477 - 0.699060I	0
b = 0.129686 + 0.877646I		
u = 0.12680 - 1.71644I		
a = 0.031494 - 0.627770I	-0.259477 + 0.699060I	0
b = 0.129686 - 0.877646I		
u = 0.114716 + 0.148148I		
a = -3.17357 + 6.33044I	3.03081 - 4.92872I	11.64890 + 6.43093I
b = 0.372662 + 0.887428I		
u = 0.114716 - 0.148148I		
a = -3.17357 - 6.33044I	3.03081 + 4.92872I	11.64890 - 6.43093I
b = 0.372662 - 0.887428I		
u = -0.159647		
a = 8.40990	6.45009	13.9500
b = -1.03854		
u = -0.0570760 + 0.0388787I		
a = 19.0279 + 9.1593I	6.77712 - 4.78767I	-1.20601 - 5.15256I
b = -0.328108 + 0.166954I		
u = -0.0570760 - 0.0388787I		
a = 19.0279 - 9.1593I	6.77712 + 4.78767I	-1.20601 + 5.15256I
b = -0.328108 - 0.166954I		

$$\begin{array}{c} \text{II. } I_2^u = \langle 3.80 \times 10^{21} u^{47} - 3.10 \times 10^{21} u^{46} + \cdots + 8.56 \times 10^{20} b - 1.70 \times \\ 10^{21}, \ -7.59 \times 10^{21} u^{47} - 4.07 \times 10^{21} u^{46} + \cdots + 8.56 \times 10^{20} a - 7.94 \times \\ 10^{21}, \ u^{48} + 12 u^{46} + \cdots - 2 u + 1 \rangle \end{array}$$

(i) Arc colorings

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

$$a_{6} = \begin{pmatrix} 0 \\ u \end{pmatrix}$$

$$a_{7} = \begin{pmatrix} u \\ u \end{pmatrix}$$

$$a_{7} = \begin{pmatrix} u \\ u \end{pmatrix}$$

$$a_{11} = \begin{pmatrix} 8.86831u^{47} + 4.75916u^{46} + \cdots - 7.36450u + 9.28158 \\ -4.43689u^{47} + 3.62509u^{46} + \cdots - 14.0079u + 1.98419 \end{pmatrix}$$

$$a_{12} = \begin{pmatrix} 15.9248u^{47} + 3.67023u^{46} + \cdots + 3.67256u + 10.4157 \\ 2.61964u^{47} + 2.53616u^{46} + \cdots - 2.97082u + 3.11826 \end{pmatrix}$$

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

$$a_{5} = \begin{pmatrix} 12.4438u^{47} - 1.10608u^{46} + \cdots + 20.9145u - 0.511386 \\ 5.88116u^{47} - 6.20079u^{46} + \cdots + 20.9984u - 5.86584 \end{pmatrix}$$

$$a_{10} = \begin{pmatrix} -3.75936u^{47} + 4.07112u^{46} + \cdots - 23.7560u + 7.16059 \\ -3.65790u^{47} + 5.69221u^{46} + \cdots - 24.3189u + 6.03854 \end{pmatrix}$$

$$a_{8} = \begin{pmatrix} 1.36624u^{47} + 3.97088u^{46} + \cdots - 16.6547u + 11.3553 \\ 5.20258u^{47} + 8.15656u^{46} + \cdots - 15.0120u + 7.58740 \\ 5.37963u^{47} + 5.57136u^{46} + \cdots - 15.0120u + 7.58740 \\ 5.37963u^{47} + 4.36610u^{46} + \cdots - 16.9256u + 10.0400 \end{pmatrix}$$

$$a_{9} = \begin{pmatrix} 0.0673709u^{47} + 6.46832u^{46} + \cdots - 24.0756u + 13.1850 \\ 2.93031u^{47} + 6.25970u^{46} + \cdots - 22.0101u + 9.90766 \end{pmatrix}$$

(ii) Obstruction class = 1

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1	$u^{48} - 24u^{47} + \dots - 14u + 1$
c_2	$u^{48} + 12u^{46} + \dots - 2u + 1$
c_3	$u^{48} - u^{47} + \dots + u + 1$
c_4	$u^{48} - u^{47} + \dots + 76u + 101$
<i>C</i> 5	$u^{48} - 15u^{46} + \dots - 3u + 1$
c_6	$u^{48} + 12u^{46} + \dots + 2u + 1$
c_7	$u^{48} + 14u^{47} + \dots + 20u + 1$
c_8	$u^{48} - 12u^{46} + \dots + 12u + 1$
<i>c</i> ₉	$u^{48} - 6u^{47} + \dots - 31u + 7$
c_{10}	$u^{48} - 15u^{46} + \dots + 3u + 1$
c_{11}	$u^{48} + 2u^{47} + \dots - 184u + 23$
c_{12}	$u^{48} - 3u^{47} + \dots + 7u + 1$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1	$y^{48} + 8y^{47} + \dots + 38y + 1$
c_2, c_6	$y^{48} + 24y^{47} + \dots + 14y + 1$
<i>c</i> ₃	$y^{48} - 9y^{47} + \dots + 35y + 1$
C_4	$y^{48} + 33y^{47} + \dots + 254400y + 10201$
c_5,c_{10}	$y^{48} - 30y^{47} + \dots - y + 1$
	$y^{48} - 28y^{47} + \dots - 60y + 1$
C ₈	$y^{48} - 24y^{47} + \dots + 4y + 1$
<i>C</i> 9	$y^{48} - 6y^{47} + \dots + 1811y + 49$
c_{11}	$y^{48} - 18y^{47} + \dots - 3358y + 529$
c_{12}	$y^{48} - 11y^{47} + \dots - 15y + 1$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_2^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.768720 + 0.658668I		
a = -0.85436 + 1.22538I	7.94591 - 4.70550I	10.01183 + 0.I
b = -0.207561 - 0.287599I		
u = 0.768720 - 0.658668I		
a = -0.85436 - 1.22538I	7.94591 + 4.70550I	10.01183 + 0.I
b = -0.207561 + 0.287599I		
u = 0.592054 + 0.842866I		
a = -0.670142 + 1.153250I	6.84552 + 1.86789I	12.91274 - 5.57378I
b = -0.153949 - 0.617247I		
u = 0.592054 - 0.842866I		
a = -0.670142 - 1.153250I	6.84552 - 1.86789I	12.91274 + 5.57378I
b = -0.153949 + 0.617247I		
u = -0.647501 + 0.807459I		
a = 0.547692 - 0.609867I	2.47420 + 0.03027I	9.21112 - 0.31734I
b = 0.878911 + 0.321354I		
u = -0.647501 - 0.807459I		
a = 0.547692 + 0.609867I	2.47420 - 0.03027I	9.21112 + 0.31734I
b = 0.878911 - 0.321354I		
u = -0.184321 + 0.944423I		
a = 0.129701 + 0.460212I	-2.36018 - 3.86802I	1.85868 + 8.52504I
b = 1.30707 + 0.90507I		
u = -0.184321 - 0.944423I		
a = 0.129701 - 0.460212I	-2.36018 + 3.86802I	1.85868 - 8.52504I
b = 1.30707 - 0.90507I		
u = -0.773042 + 0.722521I		
a = -0.981199 - 0.777329I	7.19528 + 2.64503I	12.87026 - 1.18195I
b = -1.73067 + 0.24150I		
u = -0.773042 - 0.722521I		
a = -0.981199 + 0.777329I	7.19528 - 2.64503I	12.87026 + 1.18195I
b = -1.73067 - 0.24150I		

Solutions to I_2^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.062498 + 0.930441I		
a = -0.478445 - 1.246880I	1.37948 - 5.29295I	4.64477 + 6.73044I
b = -0.92247 - 2.07098I		
u = -0.062498 - 0.930441I		
a = -0.478445 + 1.246880I	1.37948 + 5.29295I	4.64477 - 6.73044I
b = -0.92247 + 2.07098I		
u = 0.675890 + 0.866670I		
a = 1.20602 + 0.99108I	-1.06972 + 2.61178I	-10.91471 + 0.I
b = 1.55155 + 0.73661I		
u = 0.675890 - 0.866670I		
a = 1.20602 - 0.99108I	-1.06972 - 2.61178I	-10.91471 + 0.I
b = 1.55155 - 0.73661I		
u = -0.463322 + 0.762814I		
a = -0.541375 + 0.155817I	1.36347 - 2.88791I	13.1320 + 11.1162I
b = 0.018565 + 0.269826I		
u = -0.463322 - 0.762814I		
a = -0.541375 - 0.155817I	1.36347 + 2.88791I	13.1320 - 11.1162I
b = 0.018565 - 0.269826I		
u = 0.655954 + 0.556885I		
a = 0.658128 - 1.014860I	5.72643 - 4.99769I	13.6176 + 4.3699I
b = -1.21488 - 0.81860I		
u = 0.655954 - 0.556885I		
a = 0.658128 + 1.014860I	5.72643 + 4.99769I	13.6176 - 4.3699I
b = -1.21488 + 0.81860I		
u = -0.583444 + 0.982503I		
a = -0.220299 + 0.183428I	0.47740 - 1.34364I	6.00000 + 0.I
b = -0.691686 + 0.702720I		
u = -0.583444 - 0.982503I		
a = -0.220299 - 0.183428I	0.47740 + 1.34364I	6.00000 + 0.I
b = -0.691686 - 0.702720I		

Solutions to I_2^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.676355 + 0.925580I		
a = 0.625812 - 0.422920I	2.09028 - 5.17278I	6.00000 + 5.54812I
b = 1.58905 - 0.00589I		
u = -0.676355 - 0.925580I		
a = 0.625812 + 0.422920I	2.09028 + 5.17278I	6.00000 - 5.54812I
b = 1.58905 + 0.00589I		
u = 0.618087 + 0.973465I		
a = 0.686197 - 0.855033I	6.40644 + 2.90613I	12.43364 + 0.I
b = 1.71290 - 1.40724I		
u = 0.618087 - 0.973465I		
a = 0.686197 + 0.855033I	6.40644 - 2.90613I	12.43364 + 0.I
b = 1.71290 + 1.40724I		
u = 0.178287 + 0.809758I		
a = -1.76118 - 0.24025I	-3.84157 + 0.79598I	10.1665 - 23.4245I
b = -2.20807 - 0.06055I		
u = 0.178287 - 0.809758I		
a = -1.76118 + 0.24025I	-3.84157 - 0.79598I	10.1665 + 23.4245I
b = -2.20807 + 0.06055I		
u = -0.070016 + 0.797431I		
a = -0.16701 + 1.73537I	1.97068 + 4.72444I	2.09366 - 4.65455I
b = -0.549095 - 0.210735I		
u = -0.070016 - 0.797431I		
a = -0.16701 - 1.73537I	1.97068 - 4.72444I	2.09366 + 4.65455I
b = -0.549095 + 0.210735I		
u = -0.729281 + 0.965492I		
a = 0.672684 + 0.907257I	6.48148 - 8.33922I	0
b = 1.41360 - 0.11972I		
u = -0.729281 - 0.965492I		
a = 0.672684 - 0.907257I	6.48148 + 8.33922I	0
b = 1.41360 + 0.11972I		

Solutions to I_2^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.689797 + 0.327131I		
a = 1.40226 - 0.33197I	5.59241 + 5.55859I	15.6401 - 7.3072I
b = 1.32937 + 1.23585I		
u = 0.689797 - 0.327131I		
a = 1.40226 + 0.33197I	5.59241 - 5.55859I	15.6401 + 7.3072I
b = 1.32937 - 1.23585I		
u = 0.717094 + 1.010510I		
a = 0.990922 - 0.725034I	6.91465 + 10.36480I	0
b = 2.28919 - 1.16627I		
u = 0.717094 - 1.010510I		
a = 0.990922 + 0.725034I	6.91465 - 10.36480I	0
b = 2.28919 + 1.16627I		
u = -0.181515 + 0.735638I		
a = -0.609639 - 0.509663I	-1.45198 + 2.22077I	7.31020 + 4.25216I
b = -1.83743 + 0.57394I		
u = -0.181515 - 0.735638I		
a = -0.609639 + 0.509663I	-1.45198 - 2.22077I	7.31020 - 4.25216I
b = -1.83743 - 0.57394I		
u = 0.676301 + 1.060620I		
a = -0.586273 + 0.475419I	4.21505 + 10.32000I	0
b = -1.09718 + 1.65420I		
u = 0.676301 - 1.060620I		
a = -0.586273 - 0.475419I	4.21505 - 10.32000I	0
b = -1.09718 - 1.65420I		
u = -0.926320 + 0.871238I		
a = 0.383062 + 0.083152I	2.07396 - 4.48128I	0
b = 1.077470 + 0.079513I		
u = -0.926320 - 0.871238I		
a = 0.383062 - 0.083152I	2.07396 + 4.48128I	0
b = 1.077470 - 0.079513I		

Solutions to I_2^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.410072 + 0.377267I		
a = -1.21656 - 1.80969I	5.76779 - 3.13737I	15.3337 + 5.4732I
b = 0.75182 - 1.65353I		
u = -0.410072 - 0.377267I		
a = -1.21656 + 1.80969I	5.76779 + 3.13737I	15.3337 - 5.4732I
b = 0.75182 + 1.65353I		
u = 0.467096 + 0.303554I		
a = -2.29826 + 1.11633I	6.96911 + 5.01754I	16.5170 - 14.9235I
b = -0.1079030 - 0.0143946I		
u = 0.467096 - 0.303554I		
a = -2.29826 - 1.11633I	6.96911 - 5.01754I	16.5170 + 14.9235I
b = -0.1079030 + 0.0143946I		
u = -0.38225 + 1.53577I		
a = -0.451867 - 0.420632I	-0.44126 - 2.16874I	0
b = -1.089780 - 0.255948I		
u = -0.38225 - 1.53577I		
a = -0.451867 + 0.420632I	-0.44126 + 2.16874I	0
b = -1.089780 + 0.255948I		
u = 0.05066 + 1.69146I		
a = 0.034113 + 0.604818I	-0.347722 - 0.372058I	0
b = -0.108811 + 0.774683I		
u = 0.05066 - 1.69146I		
a = 0.034113 - 0.604818I	-0.347722 + 0.372058I	0
b = -0.108811 - 0.774683I		

III. u-Polynomials

Crossings	u-Polynomials at each crossing
c_1	$ (u^{48} - 24u^{47} + \dots - 14u + 1)(u^{178} + 65u^{177} + \dots - 113u + 1) $
c_2	$ (u^{48} + 12u^{46} + \dots - 2u + 1)(u^{178} - u^{177} + \dots - 27u + 1) $
c_3	$ (u^{48} - u^{47} + \dots + u + 1)(u^{178} + 2u^{177} + \dots + 264305u - 19304) $
c_4	$(u^{48} - u^{47} + \dots + 76u + 101)$ $\cdot (u^{178} + 4u^{177} + \dots - 1021989622123u + 820796062693)$
c_5	$ (u^{48} - 15u^{46} + \dots - 3u + 1)(u^{178} + u^{177} + \dots - 587u - 22) $
c_6	$(u^{48} + 12u^{46} + \dots + 2u + 1)(u^{178} - u^{177} + \dots - 27u + 1)$
c_7	$(u^{48} + 14u^{47} + \dots + 20u + 1)$ $\cdot (u^{178} - 7u^{177} + \dots - 12535015u + 2055653)$
c_8	$(u^{48} - 12u^{46} + \dots + 12u + 1)$ $\cdot (u^{178} - 5u^{177} + \dots - 3889465u - 320519)$
c_9	$(u^{48} - 6u^{47} + \dots - 31u + 7)$ $\cdot (u^{178} - 13u^{177} + \dots - 562102508u - 86410391)$
c_{10}	$(u^{48} - 15u^{46} + \dots + 3u + 1)(u^{178} + u^{177} + \dots - 587u - 22)$
c_{11}	$(u^{48} + 2u^{47} + \dots - 184u + 23)$ $\cdot (u^{178} + u^{177} + \dots - 235642121u - 12599233)$
c ₁₂	$(u^{48} - 3u^{47} + \dots + 7u + 1)(u^{178} + 14u^{177} + \dots + 2u + 1)$ 33

IV. Riley Polynomials

Riley Polynomials at each crossing
$ (y^{48} + 8y^{47} + \dots + 38y + 1)(y^{178} + 105y^{177} + \dots + 63999y + 1) $
$(y^{48} + 24y^{47} + \dots + 14y + 1)(y^{178} + 65y^{177} + \dots - 113y + 1)$
$(y^{48} - 9y^{47} + \dots + 35y + 1)$ $\cdot (y^{178} - 36y^{177} + \dots - 39240487121y + 372644416)$
$(y^{48} + 33y^{47} + \dots + 254400y + 10201)$ $\cdot (y^{178} + 106y^{177} + \dots + 2.21 \times 10^{25}y + 6.74 \times 10^{23})$
$(y^{48} - 30y^{47} + \dots - y + 1)(y^{178} - 129y^{177} + \dots + 282299y + 484)$
$(y^{48} - 28y^{47} + \dots - 60y + 1)$ $\cdot (y^{178} - 71y^{177} + \dots - 350661278205151y + 4225709256409)$
$(y^{48} - 24y^{47} + \dots + 4y + 1)$ $\cdot (y^{178} - 55y^{177} + \dots - 10252412577651y + 102732429361)$
$(y^{48} - 6y^{47} + \dots + 1811y + 49)$ $\cdot (y^{178} + 55y^{177} + \dots - 886494592097220180y + 7466755672772881)$
$(y^{48} - 18y^{47} + \dots - 3358y + 529)$ $\cdot (y^{178} - 73y^{177} + \dots - 10158224326040469y + 158740672188289)$
$(y^{48} - 11y^{47} + \dots - 15y + 1)(y^{178} - 30y^{177} + \dots - 146y + 1)$