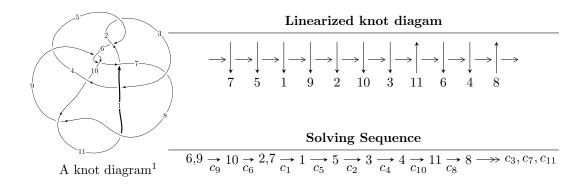
$11a_{276} \ (K11a_{276})$



Ideals for irreducible components² of X_{par}

$$\begin{split} I_1^u &= \langle -6.63399 \times 10^{307} u^{102} - 1.76777 \times 10^{308} u^{101} + \dots + 4.99508 \times 10^{308} b - 1.10340 \times 10^{310}, \\ &- 1.30225 \times 10^{312} u^{102} - 4.26703 \times 10^{312} u^{101} + \dots + 9.25589 \times 10^{311} a - 2.15727 \times 10^{314}, \\ &u^{103} + 4 u^{102} + \dots + 469 u + 109 \rangle \\ I_2^u &= \langle 425805 u^{22} + 807010 u^{21} + \dots + 75671 b - 868327, \\ &637990 u^{22} + 1114149 u^{21} + \dots + 75671 a - 1825552, \ u^{23} + u^{22} + \dots - u + 1 \rangle \end{split}$$

* 2 irreducible components of $\dim_{\mathbb{C}} = 0$, with total 126 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.
$$I_1^u = \langle -6.63 \times 10^{307} u^{102} - 1.77 \times 10^{308} u^{101} + \dots + 5.00 \times 10^{308} b - 1.10 \times 10^{310}, \ -1.30 \times 10^{312} u^{102} - 4.27 \times 10^{312} u^{101} + \dots + 9.26 \times 10^{311} a - 2.16 \times 10^{314}, \ u^{103} + 4u^{102} + \dots + 469u + 109 \rangle$$

(i) Arc colorings

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

$$a_{9} = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$

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

$$a_{2} = \begin{pmatrix} 1.40695u^{102} + 4.61007u^{101} + \dots + 669.071u + 233.070 \\ 0.132810u^{102} + 0.353902u^{101} + \dots + 73.4026u + 22.0898 \end{pmatrix}$$

$$a_{7} = \begin{pmatrix} -u \\ -u^{3} + u \end{pmatrix}$$

$$a_{1} = \begin{pmatrix} 1.87065u^{102} + 6.06248u^{101} + \dots + 892.642u + 307.136 \\ -0.0468750u^{102} - 0.221872u^{101} + \dots - 11.9894u - 8.11502 \end{pmatrix}$$

$$a_{5} = \begin{pmatrix} 1.36603u^{102} + 4.42797u^{101} + \dots + 693.873u + 231.792 \\ -1.58180u^{102} - 5.10772u^{101} + \dots - 663.580u - 223.501 \end{pmatrix}$$

$$a_{3} = \begin{pmatrix} 1.21417u^{102} + 3.86488u^{101} + \dots + 592.926u + 185.516 \\ -0.285401u^{102} - 0.925876u^{101} + \dots - 159.269u - 55.0124 \end{pmatrix}$$

$$a_{4} = \begin{pmatrix} -0.215772u^{102} - 0.679745u^{101} + \dots + 30.2932u + 8.29123 \\ -1.58180u^{102} - 5.10772u^{101} + \dots - 663.580u - 223.501 \end{pmatrix}$$

$$a_{11} = \begin{pmatrix} -1.06595u^{102} - 3.65972u^{101} + \dots - 348.557u - 134.481 \\ 0.221450u^{102} + 0.663808u^{101} + \dots + 175.345u + 53.4208 \end{pmatrix}$$

$$a_{8} = \begin{pmatrix} 0.892276u^{102} + 2.72947u^{101} + \dots + 475.525u + 146.323 \\ 0.0338094u^{102} + 0.114168u^{101} + \dots + 475.525u + 146.323 \\ 0.0338094u^{102} + 0.114168u^{101} + \dots + 475.525u + 146.323 \\ 0.0338094u^{102} + 0.114168u^{101} + \dots + 475.525u + 146.323 \\ 0.0338094u^{102} + 0.114168u^{101} + \dots + 475.525u + 146.323 \\ 0.0338094u^{102} + 0.114168u^{101} + \dots + 475.525u + 146.323 \\ 0.0338094u^{102} + 0.114168u^{101} + \dots + 475.525u + 146.323 \\ 0.0338094u^{102} + 0.114168u^{101} + \dots + 50.4001u - 16.4134 \end{pmatrix}$$

- (ii) Obstruction class = -1
- (iii) Cusp Shapes = $-1.28824u^{102} 4.05511u^{101} + \cdots 372.365u 118.415$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1	$u^{103} + u^{102} + \dots - 35693u + 3817$
c_2, c_5	$u^{103} + 7u^{102} + \dots - 488u + 403$
<i>c</i> ₃	$u^{103} - 8u^{102} + \dots - 52u + 8$
c_4	$u^{103} - u^{102} + \dots + 257024u + 34816$
c_{6}, c_{9}	$u^{103} + 4u^{102} + \dots + 469u + 109$
C ₇	$u^{103} - u^{102} + \dots - 6340u + 2537$
c_8, c_{11}	$u^{103} + 5u^{102} + \dots + 44u + 1$
c_{10}	$u^{103} + 2u^{102} + \dots + 366u + 343$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1	$y^{103} + 17y^{102} + \dots - 648571579y - 14569489$
c_2, c_5	$y^{103} + 53y^{102} + \dots - 6001908y - 162409$
<i>c</i> ₃	$y^{103} - 16y^{102} + \dots + 1424y - 64$
<i>C</i> ₄	$y^{103} - 23y^{102} + \dots - 61678288896y - 1212153856$
c_{6}, c_{9}	$y^{103} - 56y^{102} + \dots + 439051y - 11881$
	$y^{103} - 17y^{102} + \dots + 318453760y - 6436369$
c_8, c_{11}	$y^{103} + 75y^{102} + \dots + 218y - 1$
c_{10}	$y^{103} - 22y^{102} + \dots - 423762y - 117649$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.836526 + 0.521144I		
a = -0.985823 - 0.669717I	4.06422 - 1.55716I	0
b = 1.50275 + 0.04934I		
u = 0.836526 - 0.521144I		
a = -0.985823 + 0.669717I	4.06422 + 1.55716I	0
b = 1.50275 - 0.04934I		
u = 0.993660 + 0.225274I		
a = 1.061870 - 0.596347I	-3.45329 - 0.72831I	0
b = -0.401587 + 0.125535I		
u = 0.993660 - 0.225274I		
a = 1.061870 + 0.596347I	-3.45329 + 0.72831I	0
b = -0.401587 - 0.125535I		
u = -0.596338 + 0.760820I		
a = 1.104950 + 0.053850I	-1.79270 + 5.83133I	0
b = -1.69790 - 0.01032I		
u = -0.596338 - 0.760820I		
a = 1.104950 - 0.053850I	-1.79270 - 5.83133I	0
b = -1.69790 + 0.01032I		
u = -0.990596 + 0.302063I		
a = -1.228230 - 0.676620I	-6.78852 + 0.94980I	0
b = 0.301914 + 0.719171I		
u = -0.990596 - 0.302063I		
a = -1.228230 + 0.676620I	-6.78852 - 0.94980I	0
b = 0.301914 - 0.719171I		
u = -0.859460 + 0.434428I		
a = 0.870257 - 1.037170I	0.99501 - 2.77150I	0
b = -1.400350 + 0.152499I		
u = -0.859460 - 0.434428I		
a = 0.870257 + 1.037170I	0.99501 + 2.77150I	0
b = -1.400350 - 0.152499I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 1.008990 + 0.333497I		
a = 0.587893 - 0.996855I	-4.90999 + 1.62359I	0
b = 0.421890 + 0.300714I		
u = 1.008990 - 0.333497I		
a = 0.587893 + 0.996855I	-4.90999 - 1.62359I	0
b = 0.421890 - 0.300714I		
u = -1.056400 + 0.118838I		
a = -1.320910 - 0.499770I	-6.86537 + 0.18608I	0
b = 0.282188 - 0.306999I		
u = -1.056400 - 0.118838I		
a = -1.320910 + 0.499770I	-6.86537 - 0.18608I	0
b = 0.282188 + 0.306999I		
u = -0.511134 + 0.942278I		
a = -0.510309 + 0.785824I	-1.43885 + 1.18607I	0
b = 0.728221 + 0.240175I		
u = -0.511134 - 0.942278I		
a = -0.510309 - 0.785824I	-1.43885 - 1.18607I	0
b = 0.728221 - 0.240175I		
u = 0.109315 + 1.067490I		
a = -1.044520 - 0.288762I	2.96478 + 2.48304I	0
b = 1.57761 + 0.30682I		
u = 0.109315 - 1.067490I		
a = -1.044520 + 0.288762I	2.96478 - 2.48304I	0
b = 1.57761 - 0.30682I		
u = 0.937699 + 0.556938I		
a = 1.011270 + 0.137655I	-5.15763 - 4.84349I	0
b = -1.39291 + 1.14364I		
u = 0.937699 - 0.556938I		
a = 1.011270 - 0.137655I	-5.15763 + 4.84349I	0
b = -1.39291 - 1.14364I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.339610 + 0.817318I		
a = 1.330100 + 0.155899I	0.89894 - 3.65454I	0
b = -0.950681 + 1.002080I		
u = 0.339610 - 0.817318I		
a = 1.330100 - 0.155899I	0.89894 + 3.65454I	0
b = -0.950681 - 1.002080I		
u = -0.349145 + 1.075030I		
a = -0.568975 + 0.272748I	1.62245 + 2.60387I	0
b = 1.65574 + 0.67973I		
u = -0.349145 - 1.075030I		
a = -0.568975 - 0.272748I	1.62245 - 2.60387I	0
b = 1.65574 - 0.67973I		
u = -1.098200 + 0.303797I		
a = -0.529365 + 0.760181I	1.50077 + 3.70830I	0
b = 1.68166 - 0.68588I		
u = -1.098200 - 0.303797I		
a = -0.529365 - 0.760181I	1.50077 - 3.70830I	0
b = 1.68166 + 0.68588I		
u = 1.063430 + 0.415070I		
a = 0.731892 + 0.899330I	0.28023 - 8.17446I	0
b = -2.15499 + 0.13134I		
u = 1.063430 - 0.415070I		
a = 0.731892 - 0.899330I	0.28023 + 8.17446I	0
b = -2.15499 - 0.13134I		
u = 0.843079 + 0.004461I		
a = 0.94258 - 1.29640I	-3.90048 + 2.86379I	-12.70957 - 3.37032I
b = -1.020810 - 0.804279I		
u = 0.843079 - 0.004461I		
a = 0.94258 + 1.29640I	-3.90048 - 2.86379I	-12.70957 + 3.37032I
b = -1.020810 + 0.804279I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.689090 + 0.465253I		
a = 0.78192 + 1.48139I	4.53262 - 2.55951I	0. + 5.41774I
b = -0.629855 + 0.656777I		
u = 0.689090 - 0.465253I		
a = 0.78192 - 1.48139I	4.53262 + 2.55951I	0 5.41774I
b = -0.629855 - 0.656777I		
u = -0.769786 + 0.307928I		
a = -0.75555 + 1.87167I	1.44846 + 6.07423I	-8.51983 - 8.95436I
b = 0.724465 + 0.765281I		
u = -0.769786 - 0.307928I		
a = -0.75555 - 1.87167I	1.44846 - 6.07423I	-8.51983 + 8.95436I
b = 0.724465 - 0.765281I		
u = -1.122930 + 0.341047I		
a = -0.446173 - 0.391470I	-1.62676 + 1.19848I	0
b = -0.213672 - 0.213557I		
u = -1.122930 - 0.341047I		
a = -0.446173 + 0.391470I	-1.62676 - 1.19848I	0
b = -0.213672 + 0.213557I		
u = 1.140180 + 0.372827I		
a = -0.604590 - 0.755206I	-5.82282 - 8.40734I	0
b = 1.91092 - 1.75877I		
u = 1.140180 - 0.372827I		
a = -0.604590 + 0.755206I	-5.82282 + 8.40734I	0
b = 1.91092 + 1.75877I		
u = 1.026990 + 0.626258I		
a = -0.231968 - 0.570644I	-0.98951 - 1.68305I	0
b = 1.72440 + 0.28794I		
u = 1.026990 - 0.626258I		
a = -0.231968 + 0.570644I	-0.98951 + 1.68305I	0
b = 1.72440 - 0.28794I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.402294 + 0.678247I		
a = 0.93978 - 1.32938I	-1.22583 - 3.66754I	-9.11449 + 4.85815I
b = -1.48153 + 0.09132I		
u = -0.402294 - 0.678247I		
a = 0.93978 + 1.32938I	-1.22583 + 3.66754I	-9.11449 - 4.85815I
b = -1.48153 - 0.09132I		
u = 1.189940 + 0.245612I		
a = 0.883135 + 0.115093I	-5.91342 - 3.60860I	0
b = -0.190686 - 0.130746I		
u = 1.189940 - 0.245612I		
a = 0.883135 - 0.115093I	-5.91342 + 3.60860I	0
b = -0.190686 + 0.130746I		
u = 0.052145 + 0.782484I		
a = -1.50194 - 0.43540I	2.77716 + 2.41448I	-4.53664 - 0.91348I
b = 1.232120 + 0.323710I		
u = 0.052145 - 0.782484I		
a = -1.50194 + 0.43540I	2.77716 - 2.41448I	-4.53664 + 0.91348I
b = 1.232120 - 0.323710I		
u = -1.090480 + 0.551048I		
a = -1.055870 + 0.721445I	-3.25503 + 8.43750I	0
b = 1.95862 + 1.14773I		
u = -1.090480 - 0.551048I		
a = -1.055870 - 0.721445I	-3.25503 - 8.43750I	0
b = 1.95862 - 1.14773I		
u = -0.321016 + 1.182120I		
a = -0.816921 + 0.677320I	-0.49197 - 11.78540I	0
b = 1.66328 - 0.04493I		
u = -0.321016 - 1.182120I		
a = -0.816921 - 0.677320I	-0.49197 + 11.78540I	0
b = 1.66328 + 0.04493I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -1.096860 + 0.556302I		
a = 0.397651 - 0.643161I	-0.17581 + 2.44610I	0
b = -1.74397 - 0.16687I		
u = -1.096860 - 0.556302I		
a = 0.397651 + 0.643161I	-0.17581 - 2.44610I	0
b = -1.74397 + 0.16687I		
u = -1.206520 + 0.374371I		
a = 0.510833 - 0.633514I	-2.24342 + 2.29276I	0
b = -1.70086 - 1.25903I		
u = -1.206520 - 0.374371I		
a = 0.510833 + 0.633514I	-2.24342 - 2.29276I	0
b = -1.70086 + 1.25903I		
u = -0.100398 + 0.728114I		
a = 0.369502 + 1.030620I	-3.43026 - 6.84438I	-9.15397 + 4.49126I
b = -1.090540 - 0.334120I		
u = -0.100398 - 0.728114I		
a = 0.369502 - 1.030620I	-3.43026 + 6.84438I	-9.15397 - 4.49126I
b = -1.090540 + 0.334120I		
u = -0.730778 + 0.024594I		
a = -0.399238 - 1.036930I	0.633867 + 0.803768I	-7.63171 + 0.92685I
b = 2.04057 - 0.63998I		
u = -0.730778 - 0.024594I		
a = -0.399238 + 1.036930I	0.633867 - 0.803768I	-7.63171 - 0.92685I
b = 2.04057 + 0.63998I		
u = 0.355810 + 1.220390I		
a = 0.732143 + 0.582141I	4.14010 + 5.70398I	0
b = -1.59753 + 0.19599I		
u = 0.355810 - 1.220390I		
a = 0.732143 - 0.582141I	4.14010 - 5.70398I	0
b = -1.59753 - 0.19599I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 1.168290 + 0.508172I		
a = 0.854222 + 0.727442I	-0.30412 - 7.10088I	0
b = -1.64945 + 0.79028I		
u = 1.168290 - 0.508172I		
a = 0.854222 - 0.727442I	-0.30412 + 7.10088I	0
b = -1.64945 - 0.79028I		
u = 1.182880 + 0.489928I		
a = -0.619090 + 0.541895I	-1.60861 - 6.49346I	0
b = 0.230254 - 0.078235I		
u = 1.182880 - 0.489928I		
a = -0.619090 - 0.541895I	-1.60861 + 6.49346I	0
b = 0.230254 + 0.078235I		
u = -0.480657 + 0.534207I		
a = -0.339079 + 0.353240I	-1.05237 + 1.81935I	-6.00348 - 3.96676I
b = -0.232339 + 0.496764I		
u = -0.480657 - 0.534207I		
a = -0.339079 - 0.353240I	-1.05237 - 1.81935I	-6.00348 + 3.96676I
b = -0.232339 - 0.496764I		
u = -1.183850 + 0.498766I		
a = 0.782554 + 0.650321I	-6.51949 + 11.45360I	0
b = -0.038507 - 0.250979I		
u = -1.183850 - 0.498766I		
a = 0.782554 - 0.650321I	-6.51949 - 11.45360I	0
b = -0.038507 + 0.250979I		
u = 1.218530 + 0.411280I		
a = -0.596314 - 0.505551I	-7.13489 + 2.71411I	0
b = 1.20991 - 1.49840I		
u = 1.218530 - 0.411280I		
a = -0.596314 + 0.505551I	-7.13489 - 2.71411I	0
b = 1.20991 + 1.49840I		
-		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.106860 + 0.693628I		
a = -0.154203 + 0.682438I	1.49461 + 1.97845I	-4.28245 - 4.91364I
b = 0.725781 + 0.104715I		
u = 0.106860 - 0.693628I		
a = -0.154203 - 0.682438I	1.49461 - 1.97845I	-4.28245 + 4.91364I
b = 0.725781 - 0.104715I		
u = -1.289100 + 0.419570I		
a = -0.853267 + 0.726222I	-3.84070 + 7.79723I	0
b = 1.042190 + 0.763261I		
u = -1.289100 - 0.419570I		
a = -0.853267 - 0.726222I	-3.84070 - 7.79723I	0
b = 1.042190 - 0.763261I		
u = 0.501822 + 0.395796I		
a = -1.07177 - 1.98688I	2.05671 + 4.61879I	-1.72164 - 0.99130I
b = 1.18109 - 0.94964I		
u = 0.501822 - 0.395796I		
a = -1.07177 + 1.98688I	2.05671 - 4.61879I	-1.72164 + 0.99130I
b = 1.18109 + 0.94964I		
u = -0.625537 + 0.127848I		
a = 0.12337 - 2.08179I	3.37647 - 1.41965I	-6.14080 - 6.15322I
b = -0.17077 - 1.57240I		
u = -0.625537 - 0.127848I		
a = 0.12337 + 2.08179I	3.37647 + 1.41965I	-6.14080 + 6.15322I
b = -0.17077 + 1.57240I		
u = -1.161250 + 0.781946I		
a = -0.714807 + 0.479535I	0.75621 + 5.36777I	0
b = 1.61962 + 1.15868I		
u = -1.161250 - 0.781946I		
a = -0.714807 - 0.479535I	0.75621 - 5.36777I	0
b = 1.61962 - 1.15868I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -1.30967 + 0.55909I		
a = 0.254406 + 0.668630I	-4.11139 + 0.22883I	0
b = -0.088899 + 0.527247I		
u = -1.30967 - 0.55909I		
a = 0.254406 - 0.668630I	-4.11139 - 0.22883I	0
b = -0.088899 - 0.527247I		
u = 0.568954 + 0.051702I		
a = -0.010636 + 0.939943I	-3.29751 + 5.91017I	-8.26846 + 1.15510I
b = -2.60576 - 0.00022I		
u = 0.568954 - 0.051702I		
a = -0.010636 - 0.939943I	-3.29751 - 5.91017I	-8.26846 - 1.15510I
b = -2.60576 + 0.00022I		
u = 1.42208 + 0.23628I		
a = -0.205088 + 0.391811I	-7.70780 - 4.93574I	0
b = 0.097993 - 0.452119I		
u = 1.42208 - 0.23628I		
a = -0.205088 - 0.391811I	-7.70780 + 4.93574I	0
b = 0.097993 + 0.452119I		
u = -1.28561 + 0.68101I		
a = 0.853011 - 0.554546I	-3.5615 + 18.3556I	0
b = -1.91955 - 1.09572I		
u = -1.28561 - 0.68101I		
a = 0.853011 + 0.554546I	-3.5615 - 18.3556I	0
b = -1.91955 + 1.09572I		
u = -0.69776 + 1.28329I		
a = 0.525833 - 0.411533I	2.46400 + 1.88919I	0
b = -1.66462 - 0.25778I		
u = -0.69776 - 1.28329I		
a = 0.525833 + 0.411533I	2.46400 - 1.88919I	0
b = -1.66462 + 0.25778I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 1.29542 + 0.68768I		
a = -0.773963 - 0.522788I	1.07559 - 12.41720I	0
b = 1.92236 - 0.96916I		
u = 1.29542 - 0.68768I		
a = -0.773963 + 0.522788I	1.07559 + 12.41720I	0
b = 1.92236 + 0.96916I		
u = -1.46675 + 0.10797I		
a = 0.203099 + 0.476024I	-3.16691 - 0.95888I	0
b = -0.381772 + 0.176585I		
u = -1.46675 - 0.10797I		
a = 0.203099 - 0.476024I	-3.16691 + 0.95888I	0
b = -0.381772 - 0.176585I		
u = 1.32817 + 0.64795I		
a = 0.696162 + 0.676195I	-0.82407 - 8.70596I	0
b = -1.46478 + 1.19103I		
u = 1.32817 - 0.64795I		
a = 0.696162 - 0.676195I	-0.82407 + 8.70596I	0
b = -1.46478 - 1.19103I		
u = -1.27034 + 0.79509I		
a = 0.711267 - 0.317864I	-3.38380 + 5.47099I	0
b = -1.80415 - 0.71320I		
u = -1.27034 - 0.79509I		
a = 0.711267 + 0.317864I	-3.38380 - 5.47099I	0
b = -1.80415 + 0.71320I		
u = 0.222265 + 0.414714I		
a = 0.18402 - 1.79342I	-3.77648 + 1.13028I	-11.93912 - 1.05833I
b = 0.512831 + 0.591648I		
u = 0.222265 - 0.414714I		
a = 0.18402 + 1.79342I	-3.77648 - 1.13028I	-11.93912 + 1.05833I
b = 0.512831 - 0.591648I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 1.60795 + 0.13510I		
a = -0.206613 + 0.492939I	-7.53811 + 6.57319I	0
b = -0.087635 + 0.380931I		
u = 1.60795 - 0.13510I		
a = -0.206613 - 0.492939I	-7.53811 - 6.57319I	0
b = -0.087635 - 0.380931I		
u = -0.273696		
a = -1.49428	-0.749139	-13.7710
b = -0.344561		

II.
$$I_2^u = \langle 4.26 \times 10^5 u^{22} + 8.07 \times 10^5 u^{21} + \dots + 7.57 \times 10^4 b - 8.68 \times 10^5, 6.38 \times 10^5 u^{22} + 1.11 \times 10^6 u^{21} + \dots + 7.57 \times 10^4 a - 1.83 \times 10^6, u^{23} + u^{22} + \dots - u + 1 \rangle$$

(i) Arc colorings

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

$$a_{9} = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$

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

$$a_{2} = \begin{pmatrix} -8.43110u^{22} - 14.7236u^{21} + \dots + 9.55038u + 24.1249 \\ -5.62706u^{22} - 10.6647u^{21} + \dots - 1.67146u + 11.4750 \end{pmatrix}$$

$$a_{7} = \begin{pmatrix} -u \\ -u^{3} + u \end{pmatrix}$$

$$a_{1} = \begin{pmatrix} -11.9377u^{22} - 20.9171u^{21} + \dots + 11.9498u + 34.1380 \\ -2.48312u^{22} - 5.36672u^{21} + \dots - 3.25115u + 4.14875 \end{pmatrix}$$

$$a_{5} = \begin{pmatrix} -10.8301u^{22} - 20.1771u^{21} + \dots - 17.1024u + 13.9789 \\ -2.88013u^{22} - 4.50412u^{21} + \dots + 2.39475u + 7.91648 \end{pmatrix}$$

$$a_{3} = \begin{pmatrix} 16.4908u^{22} + 24.5150u^{21} + \dots - 28.5754u - 38.5222 \\ -13.8335u^{22} - 22.6391u^{21} + \dots + 2.11152u + 18.2975 \end{pmatrix}$$

$$a_{4} = \begin{pmatrix} -13.7103u^{22} - 24.6813u^{21} + \dots - 14.7077u + 21.8954 \\ -2.88013u^{22} - 4.50412u^{21} + \dots + 2.39475u + 7.91648 \end{pmatrix}$$

$$a_{11} = \begin{pmatrix} -8.39680u^{22} - 18.0128u^{21} + \dots - 16.8915u + 13.5888 \\ -6.32147u^{22} - 9.13635u^{21} + \dots + 11.4126u + 15.3347 \end{pmatrix}$$

$$a_{8} = \begin{pmatrix} 22.4258u^{22} + 36.9455u^{21} + \dots - 13.6351u - 40.7200 \\ 6.19350u^{22} + 9.24305u^{21} + \dots - 8.90597u - 13.5198 \end{pmatrix}$$

$$a_{22} = \begin{pmatrix} 22.4258u^{22} + 36.9455u^{21} + \dots - 13.6351u - 40.7200 \\ 6.19350u^{22} + 9.24305u^{21} + \dots - 8.90597u - 13.5198 \end{pmatrix}$$

(ii) Obstruction class = 1

(iii) Cusp Shapes =
$$-\frac{3714020}{75671}u^{22} - \frac{4573163}{75671}u^{21} + \dots + \frac{7421079}{75671}u + \frac{5642156}{75671}u^{21} + \dots$$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1	$u^{23} + 2u^{21} + \dots + 15u + 7$
c_2	$u^{23} - 8u^{22} + \dots + 4u - 1$
<i>c</i> ₃	$u^{23} + 3u^{22} + \dots + 4u + 1$
C4	$u^{23} + 6u^{20} + \dots + 3u - 7$
<i>C</i> ₅	$u^{23} + 8u^{22} + \dots + 4u + 1$
<i>c</i> ₆	$u^{23} - u^{22} + \dots - u - 1$
	$u^{23} - u^{21} + \dots + 4u - 1$
c ₈	$u^{23} + 2u^{22} + \dots - 6u - 1$
<i>c</i> ₉	$u^{23} + u^{22} + \dots - u + 1$
c_{10}	$u^{23} + u^{22} + \dots + u^2 - 1$
c_{11}	$u^{23} - 2u^{22} + \dots - 6u + 1$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1	$y^{23} + 4y^{22} + \dots - 55y - 49$
c_2, c_5	$y^{23} + 12y^{22} + \dots - 20y - 1$
<i>c</i> ₃	$y^{23} - 9y^{22} + \dots - 6y - 1$
c_4	$y^{23} + 6y^{21} + \dots + 191y - 49$
c_{6}, c_{9}	$y^{23} - 13y^{22} + \dots + 19y - 1$
C ₇	$y^{23} - 2y^{22} + \dots + 20y - 1$
c_8, c_{11}	$y^{23} + 18y^{22} + \dots + 2y - 1$
c_{10}	$y^{23} - 11y^{22} + \dots + 2y - 1$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_2^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.943434 + 0.263211I		
a = 1.43599 - 0.63189I	-6.19249 - 1.08021I	-7.69289 + 6.14791I
b = -0.363534 + 0.388836I		
u = 0.943434 - 0.263211I		
a = 1.43599 + 0.63189I	-6.19249 + 1.08021I	-7.69289 - 6.14791I
b = -0.363534 - 0.388836I		
u = -0.940585 + 0.485041I		
a = 0.394246 - 0.629144I	1.08785 + 2.06017I	-3.20695 - 2.61947I
b = -1.94942 + 0.19915I		
u = -0.940585 - 0.485041I		
a = 0.394246 + 0.629144I	1.08785 - 2.06017I	-3.20695 + 2.61947I
b = -1.94942 - 0.19915I		
u = -0.327032 + 1.095140I		
a = -0.978412 + 0.127508I	3.01480 + 3.49113I	-0.56270 - 8.28702I
b = 1.47458 + 0.55621I		
u = -0.327032 - 1.095140I		
a = -0.978412 - 0.127508I	3.01480 - 3.49113I	-0.56270 + 8.28702I
b = 1.47458 - 0.55621I		
u = -1.15270		
a = -0.675521	-3.56069	-10.8570
b = 0.483652		
u = -0.565856 + 1.036780I		
a = 0.517614 - 0.406082I	1.64013 + 2.16694I	-5.84411 + 2.66864I
b = -1.86373 - 0.43547I		
u = -0.565856 - 1.036780I		
a = 0.517614 + 0.406082I	1.64013 - 2.16694I	-5.84411 - 2.66864I
b = -1.86373 + 0.43547I		
u = -1.208660 + 0.351445I		
a = -0.456152 - 0.650182I	-3.85538 - 0.13822I	-11.25047 + 3.93197I
b = 0.228499 - 0.262781I		

Solutions to I_2^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -1.208660 - 0.351445I		
a = -0.456152 + 0.650182I	-3.85538 + 0.13822I	-11.25047 - 3.93197I
b = 0.228499 + 0.262781I		
u = -1.077960 + 0.700882I		
a = -0.894195 + 0.337719I	-2.85361 + 5.57806I	-8.34402 - 8.14975I
b = 1.64141 + 0.57971I		
u = -1.077960 - 0.700882I		
a = -0.894195 - 0.337719I	-2.85361 - 5.57806I	-8.34402 + 8.14975I
b = 1.64141 - 0.57971I		
u = 1.201160 + 0.497784I		
a = 0.797343 + 0.825084I	-1.65661 - 8.03479I	-10.73175 + 6.86683I
b = -1.60073 + 0.96244I		
u = 1.201160 - 0.497784I		
a = 0.797343 - 0.825084I	-1.65661 + 8.03479I	-10.73175 - 6.86683I
b = -1.60073 - 0.96244I		
u = 0.616353 + 0.221590I		
a = -0.828049 - 0.644929I	-3.39178 - 6.41701I	-11.3847 + 13.7261I
b = 2.69422 - 0.33627I		
u = 0.616353 - 0.221590I		
a = -0.828049 + 0.644929I	-3.39178 + 6.41701I	-11.3847 - 13.7261I
b = 2.69422 + 0.33627I		
u = -0.565804 + 0.138948I		
a = -0.66175 + 2.10895I	3.40764 + 1.98502I	-5.23404 - 6.40618I
b = -0.275737 + 1.340270I		
u = -0.565804 - 0.138948I		
a = -0.66175 - 2.10895I	3.40764 - 1.98502I	-5.23404 + 6.40618I
b = -0.275737 - 1.340270I		
u = 0.552708 + 0.145534I		
a = -0.42634 - 2.64226I	1.36627 + 4.91196I	-10.94228 - 4.46028I
b = 0.940571 - 0.482858I		

Solutions to I_2^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.552708 - 0.145534I		
a = -0.42634 + 2.64226I	1.36627 - 4.91196I	-10.94228 + 4.46028I
b = 0.940571 + 0.482858I		
u = 1.44859 + 0.07041I		
a = -0.062533 - 0.290866I	-7.23583 - 5.57214I	-8.37775 + 4.83062I
b = -0.667953 - 0.088864I		
u = 1.44859 - 0.07041I		
a = -0.062533 + 0.290866I	-7.23583 + 5.57214I	-8.37775 - 4.83062I
b = -0.667953 + 0.088864I		

III. u-Polynomials

Crossings	u-Polynomials at each crossing
c_1	$ (u^{23} + 2u^{21} + \dots + 15u + 7)(u^{103} + u^{102} + \dots - 35693u + 3817) $
c_2	$ (u^{23} - 8u^{22} + \dots + 4u - 1)(u^{103} + 7u^{102} + \dots - 488u + 403) $
<i>C</i> 3	$(u^{23} + 3u^{22} + \dots + 4u + 1)(u^{103} - 8u^{102} + \dots - 52u + 8)$
C4	$(u^{23} + 6u^{20} + \dots + 3u - 7)(u^{103} - u^{102} + \dots + 257024u + 34816)$
<i>C</i> 5	$(u^{23} + 8u^{22} + \dots + 4u + 1)(u^{103} + 7u^{102} + \dots - 488u + 403)$
c_6	$(u^{23} - u^{22} + \dots - u - 1)(u^{103} + 4u^{102} + \dots + 469u + 109)$
c_7	$ (u^{23} - u^{21} + \dots + 4u - 1)(u^{103} - u^{102} + \dots - 6340u + 2537) $
c_8	$ (u^{23} + 2u^{22} + \dots - 6u - 1)(u^{103} + 5u^{102} + \dots + 44u + 1) $
<i>c</i> 9	$(u^{23} + u^{22} + \dots - u + 1)(u^{103} + 4u^{102} + \dots + 469u + 109)$
c_{10}	$(u^{23} + u^{22} + \dots + u^2 - 1)(u^{103} + 2u^{102} + \dots + 366u + 343)$
c_{11}	$(u^{23} - 2u^{22} + \dots - 6u + 1)(u^{103} + 5u^{102} + \dots + 44u + 1)$

IV. Riley Polynomials

Crossings	Riley Polynomials at each crossing
c_1	$(y^{23} + 4y^{22} + \dots - 55y - 49)$ $\cdot (y^{103} + 17y^{102} + \dots - 648571579y - 14569489)$
c_2, c_5	$(y^{23} + 12y^{22} + \dots - 20y - 1)$ $\cdot (y^{103} + 53y^{102} + \dots - 6001908y - 162409)$
C3	$(y^{23} - 9y^{22} + \dots - 6y - 1)(y^{103} - 16y^{102} + \dots + 1424y - 64)$
c_4	$(y^{23} + 6y^{21} + \dots + 191y - 49)$ $\cdot (y^{103} - 23y^{102} + \dots - 61678288896y - 1212153856)$
c_6, c_9	$(y^{23} - 13y^{22} + \dots + 19y - 1)(y^{103} - 56y^{102} + \dots + 439051y - 11881)$
c ₇	$(y^{23} - 2y^{22} + \dots + 20y - 1)$ $\cdot (y^{103} - 17y^{102} + \dots + 318453760y - 6436369)$
c_8, c_{11}	$(y^{23} + 18y^{22} + \dots + 2y - 1)(y^{103} + 75y^{102} + \dots + 218y - 1)$
c_{10}	$(y^{23} - 11y^{22} + \dots + 2y - 1)(y^{103} - 22y^{102} + \dots - 423762y - 117649)$