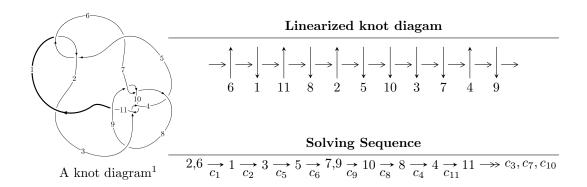
$11a_{149} (K11a_{149})$



Ideals for irreducible components² of X_{par}

$$I_1^u = \langle 6.59200 \times 10^{33} u^{62} + 1.26617 \times 10^{34} u^{61} + \dots + 9.14845 \times 10^{33} b - 6.13231 \times 10^{33}, \\ -5.18869 \times 10^{30} u^{62} - 4.60084 \times 10^{31} u^{61} + \dots + 1.51632 \times 10^{32} a + 4.89769 \times 10^{32}, \ u^{63} + 3u^{62} + \dots + 2u + 2u + 2u^{62} u^{61} + \dots + 2u^{62} u^{62} u^{62} + \dots + 2u^{62} u^{62} u^{62$$

* 1 irreducible components of $\dim_{\mathbb{C}} = 0$, with total 63 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.

 $\begin{matrix} \text{I.} \\ I_1^u = \langle 6.59 \times 10^{33} u^{62} + 1.27 \times 10^{34} u^{61} + \dots + 9.15 \times 10^{33} b - 6.13 \times 10^{33}, \ -5.19 \times 10^{30} u^{62} - 4.60 \times 10^{31} u^{61} + \dots + 1.52 \times 10^{32} a + 4.90 \times 10^{32}, \ u^{63} + 3u^{62} + \dots + 2u - 1 \rangle \end{matrix}$

(i) Arc colorings

$$a_2 = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$

$$a_6 = \begin{pmatrix} 0 \\ u \end{pmatrix}$$

$$a_1 = \begin{pmatrix} 1 \\ u^2 \end{pmatrix}$$

$$a_3 = \begin{pmatrix} u^2 + 1 \\ u^4 \end{pmatrix}$$

$$a_5 = \begin{pmatrix} -u \\ u \end{pmatrix}$$

$$a_7 = \begin{pmatrix} -u^3 \\ u^3 + u \end{pmatrix}$$

$$a_9 = \begin{pmatrix} 0.0342190u^{62} + 0.303422u^{61} + \cdots - 0.970526u - 3.22999 \\ -0.720560u^{62} - 1.38403u^{61} + \cdots + 0.258985u + 0.670312 \end{pmatrix}$$

$$a_{10} = \begin{pmatrix} 0.163991u^{62} + 0.735688u^{61} + \cdots - 0.518791u - 3.41101 \\ -0.940033u^{62} - 1.90438u^{61} + \cdots - 0.942790u + 0.713453 \end{pmatrix}$$

$$a_8 = \begin{pmatrix} 0.167447u^{62} + 0.652868u^{61} + \cdots + 1.09284u - 3.15598 \\ -0.702143u^{62} - 1.31297u^{61} + \cdots + 0.508662u + 0.602596 \end{pmatrix}$$

$$a_4 = \begin{pmatrix} -1.53220u^{62} - 5.33133u^{61} + \cdots - 6.95145u + 3.31985 \\ 0.408926u^{62} + 1.90611u^{61} + \cdots - 1.94941u + 0.452963 \end{pmatrix}$$

$$a_{11} = \begin{pmatrix} -0.489880u^{62} - 1.42153u^{61} + \cdots + 3.35861u + 3.51142 \\ -0.552392u^{62} - 2.69530u^{61} + \cdots + 2.86212u - 1.33768 \end{pmatrix}$$

$$a_{11} = \begin{pmatrix} -0.489880u^{62} - 1.42153u^{61} + \cdots + 3.35861u + 3.51142 \\ -0.552392u^{62} - 2.69530u^{61} + \cdots + 2.86212u - 1.33768 \end{pmatrix}$$

- (ii) Obstruction class = -1
- (iii) Cusp Shapes = $-2.55683u^{62} 9.47657u^{61} + \cdots 10.7932u 4.31798$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1, c_5	$u^{63} - 3u^{62} + \dots + 2u + 1$
c_2, c_6	$u^{63} + 19u^{62} + \dots + 16u - 1$
c_3, c_{10}	$u^{63} + 3u^{62} + \dots + 4u + 1$
C ₄	$u^{63} + 11u^{62} + \dots + 26u + 529$
c_{7}, c_{9}	$u^{63} - u^{62} + \dots - 18u + 1$
c ₈	$u^{63} + u^{62} + \dots - 10u + 1$
c_{11}	$u^{63} + 23u^{62} + \dots - 22u + 1$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1, c_5	$y^{63} + 19y^{62} + \dots + 16y - 1$
c_2, c_6	$y^{63} + 51y^{62} + \dots + 360y - 1$
c_3, c_{10}	$y^{63} + 47y^{62} + \dots + 16y - 1$
C ₄	$y^{63} + 127y^{62} + \dots - 1368376y - 279841$
c_{7}, c_{9}	$y^{63} - 41y^{62} + \dots - 184y - 1$
<i>c</i> ₈	$y^{63} + 3y^{62} + \dots - 48y - 1$
c_{11}	$y^{63} - 177y^{62} + \dots - 84y - 1$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.202849 + 0.946044I		
a = 1.94722 + 0.19778I	-3.81545 + 5.01176I	-9.09327 - 7.69438I
b = -0.928613 - 0.106351I		
u = 0.202849 - 0.946044I		
a = 1.94722 - 0.19778I	-3.81545 - 5.01176I	-9.09327 + 7.69438I
b = -0.928613 + 0.106351I		
u = 0.695239 + 0.763843I		
a = 0.75961 + 1.41295I	-2.73449 - 1.42844I	-6.93697 + 2.22951I
b = -1.63934 + 0.73836I		
u = 0.695239 - 0.763843I		
a = 0.75961 - 1.41295I	-2.73449 + 1.42844I	-6.93697 - 2.22951I
b = -1.63934 - 0.73836I		
u = -0.058839 + 0.948485I		
a = -1.17043 + 1.85637I	-7.69919 - 2.07381I	-15.2166 + 3.4603I
b = 0.45196 - 1.56324I		
u = -0.058839 - 0.948485I		
a = -1.17043 - 1.85637I	-7.69919 + 2.07381I	-15.2166 - 3.4603I
b = 0.45196 + 1.56324I		
u = -0.763248 + 0.536252I		
a = -0.200295 - 0.850847I	1.08095 - 1.39801I	4.18188 + 0.71132I
b = -0.612392 + 0.572188I		
u = -0.763248 - 0.536252I		
a = -0.200295 + 0.850847I	1.08095 + 1.39801I	4.18188 - 0.71132I
b = -0.612392 - 0.572188I		
u = -0.726705 + 0.811867I		
a = -1.18396 + 1.72005I	1.35473 - 0.62400I	0
b = 2.18880 + 0.14253I		
u = -0.726705 - 0.811867I		
a = -1.18396 - 1.72005I	1.35473 + 0.62400I	0
b = 2.18880 - 0.14253I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.643524 + 0.884288I		
a = -0.670137 + 0.681552I	-4.63310 - 2.49365I	0
b = -0.214774 + 0.538469I		
u = -0.643524 - 0.884288I		
a = -0.670137 - 0.681552I	-4.63310 + 2.49365I	0
b = -0.214774 - 0.538469I		
u = -0.810251 + 0.764677I		
a = -0.614704 + 1.099300I	2.66441 + 3.76429I	0
b = 2.27585 - 0.14042I		
u = -0.810251 - 0.764677I		
a = -0.614704 - 1.099300I	2.66441 - 3.76429I	0
b = 2.27585 + 0.14042I		
u = -0.247037 + 0.849494I		
a = -1.142120 + 0.110784I	-0.62170 - 1.75556I	-1.86458 + 4.77709I
b = 0.398886 + 0.218053I		
u = -0.247037 - 0.849494I		
a = -1.142120 - 0.110784I	-0.62170 + 1.75556I	-1.86458 - 4.77709I
b = 0.398886 - 0.218053I		
u = 0.879352 + 0.689382I		
a = -0.766895 - 1.133880I	3.67279 - 4.73223I	0
b = 1.80952 - 0.12559I		
u = 0.879352 - 0.689382I		
a = -0.766895 + 1.133880I	3.67279 + 4.73223I	0
b = 1.80952 + 0.12559I		
u = 0.702468 + 0.874127I		
a = -1.37569 + 1.38479I	-0.03120 + 2.69612I	0
b = 0.83063 - 1.81611I		
u = 0.702468 - 0.874127I		
a = -1.37569 - 1.38479I	-0.03120 - 2.69612I	0
b = 0.83063 + 1.81611I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.057802 + 0.865842I		
a = 1.039560 + 0.717759I	-3.45347 + 0.91963I	-7.53722 + 0.57993I
b = 0.212381 - 1.286120I		
u = 0.057802 - 0.865842I		
a = 1.039560 - 0.717759I	-3.45347 - 0.91963I	-7.53722 - 0.57993I
b = 0.212381 + 1.286120I		
u = -0.888598 + 0.712739I		
a = 1.23888 - 1.07985I	-1.25936 + 10.13510I	0
b = -2.21959 - 0.66956I		
u = -0.888598 - 0.712739I		
a = 1.23888 + 1.07985I	-1.25936 - 10.13510I	0
b = -2.21959 + 0.66956I		
u = 0.737082 + 0.871113I		
a = -4.8258 + 13.5054I	-0.27910 + 2.80205I	0 114.9176I
b = -5.4391 - 15.0888I		
u = 0.737082 - 0.871113I		
a = -4.8258 - 13.5054I	-0.27910 - 2.80205I	0. + 114.9176I
b = -5.4391 + 15.0888I		
u = 0.249599 + 1.117340I		
a = -0.933405 - 0.391979I	-8.93201 + 10.19930I	0
b = 0.083836 + 0.726791I		
u = 0.249599 - 1.117340I		
a = -0.933405 + 0.391979I	-8.93201 - 10.19930I	0
b = 0.083836 - 0.726791I		
u = 0.825588 + 0.794026I		
a = 0.471370 + 0.782650I	6.05392 + 0.28945I	0
b = -1.65611 - 0.24031I		
u = 0.825588 - 0.794026I		
a = 0.471370 - 0.782650I	6.05392 - 0.28945I	0
b = -1.65611 + 0.24031I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.171535 + 0.833363I		
a = 0.472085 + 1.258500I	-3.56857 - 0.47654I	-9.76423 - 1.75847I
b = 0.192482 + 0.304858I		
u = 0.171535 - 0.833363I		
a = 0.472085 - 1.258500I	-3.56857 + 0.47654I	-9.76423 + 1.75847I
b = 0.192482 - 0.304858I		
u = -0.716350 + 0.922760I		
a = 0.58105 - 1.92526I	1.01466 - 4.89030I	0
b = -2.53241 + 1.12922I		
u = -0.716350 - 0.922760I		
a = 0.58105 + 1.92526I	1.01466 + 4.89030I	0
b = -2.53241 - 1.12922I		
u = 0.693599 + 0.946330I		
a = 0.34808 - 1.75912I	-3.28750 + 6.79142I	0
b = 1.94341 + 1.34022I		
u = 0.693599 - 0.946330I		
a = 0.34808 + 1.75912I	-3.28750 - 6.79142I	0
b = 1.94341 - 1.34022I		
u = -0.765357 + 0.893742I		
a = -0.888237 - 0.881040I	1.42211 - 2.89988I	0
b = 0.160327 + 1.374950I		
u = -0.765357 - 0.893742I		
a = -0.888237 + 0.881040I	1.42211 + 2.89988I	0
b = 0.160327 - 1.374950I		
u = 0.818503 + 0.071595I		
a = 0.947693 - 0.595880I	-4.90960 + 6.71055I	-4.57662 - 5.93806I
b = -0.190373 + 0.433337I		
u = 0.818503 - 0.071595I		
a = 0.947693 + 0.595880I	-4.90960 - 6.71055I	-4.57662 + 5.93806I
b = -0.190373 - 0.433337I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.330834 + 1.132940I		
a = 0.122863 - 0.871157I	-8.44469 - 2.66782I	0
b = -0.389791 + 0.792565I		
u = 0.330834 - 1.132940I		
a = 0.122863 + 0.871157I	-8.44469 + 2.66782I	0
b = -0.389791 - 0.792565I		
u = -0.213920 + 1.163890I		
a = 0.446939 - 0.170107I	-3.79459 - 4.37631I	0
b = 0.032442 + 0.590549I		
u = -0.213920 - 1.163890I		
a = 0.446939 + 0.170107I	-3.79459 + 4.37631I	0
b = 0.032442 - 0.590549I		
u = -0.750069 + 0.975450I		
a = 0.85338 - 2.02212I	2.01737 - 9.62566I	0
b = -2.24959 + 0.46334I		
u = -0.750069 - 0.975450I		
a = 0.85338 + 2.02212I	2.01737 + 9.62566I	0
b = -2.24959 - 0.46334I		
u = 0.769036 + 0.963922I		
a = -0.64711 - 1.44598I	5.52656 + 5.67817I	0
b = 1.56684 + 0.33213I		
u = 0.769036 - 0.963922I		
a = -0.64711 + 1.44598I	5.52656 - 5.67817I	0
b = 1.56684 - 0.33213I		
u = -0.693016 + 0.315312I		
a = -0.289428 - 0.730127I	1.05806 - 1.32640I	4.87847 + 4.20428I
b = -0.310255 + 0.482151I		
u = -0.693016 - 0.315312I		
a = -0.289428 + 0.730127I	1.05806 + 1.32640I	4.87847 - 4.20428I
b = -0.310255 - 0.482151I		

$\begin{array}{c} u = 0.754175 + 1.039690I \\ a = 0.72880 + 1.66445I \\ b = -2.16012 - 0.87201I \\ \hline u = 0.754175 - 1.039690I \\ a = 0.72880 - 1.66445I \\ b = -2.16012 + 0.87201I \\ \hline u = -0.765933 + 1.033730I \\ a = -0.51162 + 2.20505I \\ b = 2.40984 - 1.47160I \\ \hline u = -0.765933 - 1.033730I \\ a = -0.51162 - 2.20505I \\ b = 2.40984 + 1.47160I \\ \hline u = -0.730450 + 0.887239I \\ a = 0.182597 + 0.083461I \\ b = 0.164371 - 0.473416I \\ \hline u = -0.730193 + 1.099430I \\ a = -0.467025 + 0.660302I \\ b = 1.157580 + 0.273573I \\ \hline u = 0.516941 + 0.032452I \\ \hline a = 0.641012 + 0.482457I \\ \hline u = 0.516941 - 0.032452I \\ \hline \end{array}$	Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$\begin{array}{c} b = -2.16012 - 0.87201I \\ u = 0.754175 - 1.039690I \\ a = 0.72880 - 1.66445I \\ b = -2.16012 + 0.87201I \\ u = -0.765933 + 1.033730I \\ a = -0.51162 + 2.20505I \\ b = 2.40984 - 1.47160I \\ u = -0.765933 - 1.033730I \\ a = -0.51162 - 2.20505I \\ -2.2561 - 16.2663I \\ 0 \\ b = 2.40984 + 1.47160I \\ u = -0.933450 + 0.887239I \\ a = 0.182597 + 0.083461I \\ b = 0.164371 - 0.473416I \\ u = -0.933450 - 0.887239I \\ a = 0.182597 - 0.083461I \\ 0.88299 + 3.37440I \\ 0 \\ b = 0.164371 + 0.473416I \\ u = -0.730193 + 1.099430I \\ a = -0.467025 + 0.660302I \\ a = -0.467025 - 0.660302I \\ a = -0.467025 - 0.660302I \\ b = 1.157580 - 0.273573I \\ u = -0.730193 - 1.099430I \\ a = -0.467025 - 0.660302I \\ a = -0.467025 - 0.660302I \\ b = 1.157580 + 0.273573I \\ u = 0.516941 + 0.032452I \\ a = -0.286237 - 1.236950I \\ b = 0.641012 + 0.482457I \\ \end{array}$	u = 0.754175 + 1.039690I		
$\begin{array}{c} u = & 0.754175 - 1.039690I \\ a = & 0.72880 - 1.66445I \\ b = -2.16012 + 0.87201I \\ u = -0.765933 + 1.033730I \\ a = -0.51162 + 2.20505I \\ b = & 2.40984 - 1.47160I \\ u = -0.765933 - 1.033730I \\ a = -0.51162 - 2.20505I \\ b = & 2.40984 + 1.47160I \\ u = -0.933450 + 0.887239I \\ a = & 0.182597 + 0.083461I \\ b = & 0.164371 - 0.473416I \\ u = -0.933450 - 0.887239I \\ a = & 0.182597 - 0.083461I \\ b = & 0.164371 + 0.473416I \\ u = -0.730193 + 1.099430I \\ a = -0.467025 + 0.660302I \\ b = & 1.157580 - 0.273573I \\ u = -0.730193 - 1.099430I \\ a = & 0.467025 - 0.660302I \\ b = & 1.157580 + 0.273573I \\ u = & 0.516941 + 0.032452I \\ a = & 0.286237 - 1.236950I \\ b = & 0.641012 + 0.482457I \\ \end{array}$	a = 0.72880 + 1.66445I	2.59510 + 10.79480I	0
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	b = -2.16012 - 0.87201I		
$\begin{array}{c} b = -2.16012 + 0.87201I \\ u = -0.765933 + 1.033730I \\ a = -0.51162 + 2.20505I \\ b = 2.40984 - 1.47160I \\ \hline \\ u = -0.765933 - 1.033730I \\ a = -0.51162 - 2.20505I \\ b = 2.40984 + 1.47160I \\ \hline \\ u = -0.933450 + 0.887239I \\ a = 0.182597 + 0.083461I \\ u = -0.933450 - 0.887239I \\ a = 0.182597 - 0.083461I \\ u = -0.933450 - 0.887239I \\ a = 0.182597 - 0.083461I \\ u = -0.730193 + 1.099430I \\ a = -0.467025 + 0.660302I \\ b = 1.157580 + 0.273573I \\ u = -0.730193 - 1.099430I \\ a = -0.467025 - 0.660302I \\ b = 1.157580 + 0.273573I \\ u = 0.516941 + 0.032452I \\ a = -0.286237 - 1.236950I \\ b = 0.641012 + 0.482457I \\ \end{array}$	u = 0.754175 - 1.039690I		
$\begin{array}{c} u = -0.765933 + 1.033730I \\ a = -0.51162 + 2.20505I \\ b = 2.40984 - 1.47160I \\ u = -0.765933 - 1.033730I \\ a = -0.51162 - 2.20505I \\ b = 2.40984 + 1.47160I \\ u = -0.933450 + 0.887239I \\ a = 0.182597 + 0.083461I \\ u = -0.933450 - 0.887239I \\ a = 0.182597 - 0.083461I \\ u = -0.933450 - 0.887239I \\ a = 0.182597 - 0.083461I \\ u = -0.730193 + 1.099430I \\ a = -0.467025 + 0.660302I \\ b = 1.157580 - 0.273573I \\ u = -0.730193 - 1.099430I \\ a = -0.467025 - 0.660302I \\ b = 1.157580 + 0.273573I \\ u = 0.516941 + 0.032452I \\ a = -0.286237 - 1.236950I \\ b = 0.641012 + 0.482457I \\ \end{array}$	a = 0.72880 - 1.66445I	2.59510 - 10.79480I	0
$\begin{array}{llllllllllllllllllllllllllllllllllll$	b = -2.16012 + 0.87201I		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	u = -0.765933 + 1.033730I		
$\begin{array}{c} u = -0.765933 - 1.033730I \\ a = -0.51162 - 2.20505I \\ b = 2.40984 + 1.47160I \\ u = -0.933450 + 0.887239I \\ a = 0.182597 + 0.083461I \\ b = 0.164371 - 0.473416I \\ u = -0.933450 - 0.887239I \\ a = 0.182597 - 0.083461I \\ 0.88299 + 3.37440I \\ 0 \\ b = 0.164371 + 0.473416I \\ u = -0.730193 + 1.099430I \\ a = -0.467025 + 0.660302I \\ b = 1.157580 - 0.273573I \\ u = -0.730193 - 1.099430I \\ a = -0.467025 - 0.660302I \\ b = 1.157580 + 0.273573I \\ u = 0.516941 + 0.032452I \\ a = -0.286237 - 1.236950I \\ b = 0.641012 + 0.482457I \\ \end{array}$	a = -0.51162 + 2.20505I	-2.2561 - 16.2663I	0
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	b = 2.40984 - 1.47160I		
$\begin{array}{c} b = 2.40984 + 1.47160I \\ u = -0.933450 + 0.887239I \\ a = 0.182597 + 0.083461I \\ b = 0.164371 - 0.473416I \\ u = -0.933450 - 0.887239I \\ a = 0.182597 - 0.083461I \\ b = 0.164371 + 0.473416I \\ u = -0.730193 + 1.099430I \\ a = -0.467025 + 0.660302I \\ b = 1.157580 - 0.273573I \\ u = -0.730193 - 1.099430I \\ a = -0.467025 - 0.660302I \\ b = 1.157580 + 0.273573I \\ u = -0.730193 - 1.099430I \\ a = -0.467025 - 0.660302I \\ b = 0.516941 + 0.032452I \\ a = -0.286237 - 1.236950I \\ b = 0.641012 + 0.482457I \\ \end{array}$	u = -0.765933 - 1.033730I		
$\begin{array}{c} u = -0.933450 + 0.887239I \\ a = 0.182597 + 0.083461I \\ b = 0.164371 - 0.473416I \\ \hline u = -0.933450 - 0.887239I \\ a = 0.182597 - 0.083461I \\ b = 0.164371 + 0.473416I \\ \hline u = -0.730193 + 1.099430I \\ a = -0.467025 + 0.660302I \\ b = 1.157580 - 0.273573I \\ \hline u = -0.730193 - 1.099430I \\ a = -0.467025 - 0.660302I \\ a = -0.467025 - 0.660302I \\ \hline u = -0.730193 - 1.099430I \\ a = -0.467025 - 0.660302I \\ a = -0.467025 - 0.660302I \\ \hline u = 0.516941 + 0.032452I \\ a = -0.286237 - 1.236950I \\ b = 0.641012 + 0.482457I \\ \hline \end{array}$	a = -0.51162 - 2.20505I	-2.2561 + 16.2663I	0
$\begin{array}{cccccccccccccccccccccccccccccccccccc$			
$\begin{array}{c} b = & 0.164371 - 0.473416I \\ u = -0.933450 - 0.887239I \\ a = & 0.182597 - 0.083461I \\ b = & 0.164371 + 0.473416I \\ u = -0.730193 + 1.099430I \\ a = -0.467025 + 0.660302I \\ b = & 1.157580 - 0.273573I \\ u = -0.730193 - 1.099430I \\ a = -0.467025 - 0.660302I \\ -0.60454 - 4.40493I \\ 0 \\ b = & 1.157580 + 0.273573I \\ u = & 0.516941 + 0.032452I \\ a = & -0.286237 - 1.236950I \\ b = & 0.641012 + 0.482457I \\ \end{array}$	u = -0.933450 + 0.887239I		
$\begin{array}{c} u = -0.933450 - 0.887239I \\ a = 0.182597 - 0.083461I \\ b = 0.164371 + 0.473416I \\ u = -0.730193 + 1.099430I \\ a = -0.467025 + 0.660302I \\ b = 1.157580 - 0.273573I \\ u = -0.730193 - 1.099430I \\ a = -0.467025 - 0.660302I \\ -0.60454 + 4.40493I \\ 0 \\ b = 1.157580 + 0.273573I \\ u = 0.516941 + 0.032452I \\ a = -0.286237 - 1.236950I \\ b = 0.641012 + 0.482457I \\ \end{array}$	a = 0.182597 + 0.083461I	0.88299 - 3.37440I	0
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	b = 0.164371 - 0.473416I		
$\begin{array}{c} b = & 0.164371 + 0.473416I \\ u = -0.730193 + 1.099430I \\ a = -0.467025 + 0.660302I \\ b = & 1.157580 - 0.273573I \\ u = -0.730193 - 1.099430I \\ a = -0.467025 - 0.660302I \\ b = & 1.157580 + 0.273573I \\ u = & 0.516941 + 0.032452I \\ a = & -0.286237 - 1.236950I \\ b = & 0.641012 + 0.482457I \\ \end{array}$	u = -0.933450 - 0.887239I		
$\begin{array}{c} u = -0.730193 + 1.099430I \\ a = -0.467025 + 0.660302I \\ b = 1.157580 - 0.273573I \\ \hline \\ u = -0.730193 - 1.099430I \\ a = -0.467025 - 0.660302I \\ b = 1.157580 + 0.273573I \\ \hline \\ u = 0.516941 + 0.032452I \\ a = -0.286237 - 1.236950I \\ b = 0.641012 + 0.482457I \\ \hline \end{array}$	a = 0.182597 - 0.083461I	0.88299 + 3.37440I	0
$\begin{array}{cccccccccccccccccccccccccccccccccccc$			
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	u = -0.730193 + 1.099430I		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	a = -0.467025 + 0.660302I	-0.60454 - 4.40493I	0
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	b = 1.157580 - 0.273573I		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	u = -0.730193 - 1.099430I		
$\begin{array}{lll} u = & 0.516941 + 0.032452I \\ a = & -0.286237 - 1.236950I \\ b = & 0.641012 + 0.482457I \end{array} -1.03804 - 2.55802I -0.30006 + 3.39194I \end{array}$	a = -0.467025 - 0.660302I	-0.60454 + 4.40493I	0
a = -0.286237 - 1.236950I $-1.03804 - 2.55802I$ $-0.30006 + 3.39194I$ $b = 0.641012 + 0.482457I$	b = 1.157580 + 0.273573I		
b = 0.641012 + 0.482457I	u = 0.516941 + 0.032452I		
	a = -0.286237 - 1.236950I	-1.03804 - 2.55802I	-0.30006 + 3.39194I
u = 0.516941 - 0.032452I	b = 0.641012 + 0.482457I		
	u = 0.516941 - 0.032452I		
a = -0.286237 + 1.236950I $-1.03804 + 2.55802I$ $-0.30006 - 3.39194I$	a = -0.286237 + 1.236950I	-1.03804 + 2.55802I	-0.30006 - 3.39194I
b = 0.641012 - 0.482457I	b = 0.641012 - 0.482457I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.309755 + 0.275620I		
a = 1.19826 + 2.47111I	-4.36178 - 1.13101I	-3.69450 + 1.07714I
b = -0.692520 + 0.579657I		
u = -0.309755 - 0.275620I		
a = 1.19826 - 2.47111I	-4.36178 + 1.13101I	-3.69450 - 1.07714I
b = -0.692520 - 0.579657I		
u = 0.223288		
a = -3.73067	-1.26040	-8.85590
b = 0.429527		

II. u-Polynomials

Crossings	u-Polynomials at each crossing
c_1,c_5	$u^{63} - 3u^{62} + \dots + 2u + 1$
c_{2}, c_{6}	$u^{63} + 19u^{62} + \dots + 16u - 1$
c_3, c_{10}	$u^{63} + 3u^{62} + \dots + 4u + 1$
c_4	$u^{63} + 11u^{62} + \dots + 26u + 529$
c_7, c_9	$u^{63} - u^{62} + \dots - 18u + 1$
<i>C</i> ₈	$u^{63} + u^{62} + \dots - 10u + 1$
c_{11}	$u^{63} + 23u^{62} + \dots - 22u + 1$

III. Riley Polynomials

Crossings	Riley Polynomials at each crossing
c_1,c_5	$y^{63} + 19y^{62} + \dots + 16y - 1$
c_{2}, c_{6}	$y^{63} + 51y^{62} + \dots + 360y - 1$
c_3, c_{10}	$y^{63} + 47y^{62} + \dots + 16y - 1$
c_4	$y^{63} + 127y^{62} + \dots - 1368376y - 279841$
c_7, c_9	$y^{63} - 41y^{62} + \dots - 184y - 1$
c ₈	$y^{63} + 3y^{62} + \dots - 48y - 1$
c_{11}	$y^{63} - 177y^{62} + \dots - 84y - 1$