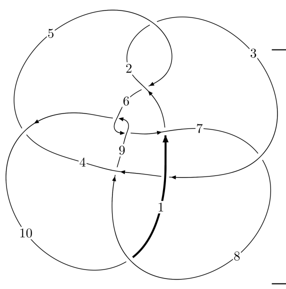
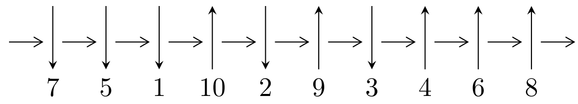
10_{115} $(K10a_{94})$



A knot diagram[1]

Linearized knot diagam



Solving Sequence

$$2{,}6 \xrightarrow[c_5]{} 5 \xrightarrow[c_2]{} 3{,}10 \xrightarrow[c_4]{} 4 \xrightarrow[c_9]{} 9 \xrightarrow[c_6]{} 7 \xrightarrow[c_1]{} 1 \xrightarrow[c_8]{} 8 \twoheadrightarrow c_3, c_7, c_{10}$$

Ideals for irreducible components[2] of $X_{\textbf{par}}$

$$\begin{aligned} I_1^u = \langle & 1.34331 \times 10^{115} u^{65} + 6.48169 \times 10^{115} u^{64} + \cdots + 2.86473 \times 10^{116} b + 1.11198 \times 10^{117}, \\ & -1.40951 \times 10^{118} u^{65} - 8.70781 \times 10^{118} u^{64} + \cdots + 1.42377 \times 10^{119} a - 1.81835 \times 10^{120}, \\ & u^{66} + 3u^{65} + \cdots - 77u + 21 \rangle \\ I_2^u = \langle & -u^{11} - 5u^{10} - 15u^9 - 32u^8 - 51u^7 - 64u^6 - 63u^5 - 49u^4 - 32u^3 - 17u^2 + b - 8u - 2, \\ & u^{11} + 3u^{10} + 7u^9 + 12u^8 + 15u^7 + 18u^6 + 17u^5 + 16u^4 + 14u^3 + 5u^2 + a + 3u - 1, \\ & u^{12} + 4u^{11} + 11u^{10} + 22u^9 + 33u^8 + 41u^7 + 40u^6 + 33u^5 + 24u^4 + 13u^3 + 8u^2 + 2u + 1 \rangle \end{aligned}$$

* 2 irreducible components of $\dim_{\mathbb{C}} = 0$, with total 78 representations.

[1] The 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. $\boldsymbol{I_1^u = \langle 1.34 \times 10^{115}u^{65} + 6.48 \times 10^{115}u^{64} + \cdots + 2.86 \times 10^{116}b + 1.11 \times 10^{117},\ -1.41 \times 10^{118}u^{65} - 8.71 \times 10^{118}u^{64} + \cdots + 1.42 \times 10^{119}a - 1.82 \times 10^{120},\ u^{66} + 3u^{65} + \cdots - 77u + 21\rangle}$

(i) Arc colorings

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

$$a_6 = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$

$$a_5 = \begin{pmatrix} 1 \\ -u^2 \end{pmatrix}$$

$$a_3 = \begin{pmatrix} -u \\ u^3 + u \end{pmatrix}$$

$$a_{10} = \begin{pmatrix} 0.0989985u^{65} + 0.611601u^{64} + \cdots - 38.4442u + 12.7714 \\ -0.0468913u^{65} - 0.226258u^{64} + \cdots + 9.77991u - 3.88162 \end{pmatrix}$$

$$a_4 = \begin{pmatrix} -0.0379845u^{65} + 0.367680u^{64} + \cdots - 94.1129u + 27.5594 \\ 0.0238215u^{65} - 0.0620212u^{64} + \cdots + 22.0119u - 6.47645 \end{pmatrix}$$

$$a_9 = \begin{pmatrix} 0.145890u^{65} + 0.837859u^{64} + \cdots - 48.2241u + 16.6530 \\ -0.0468913u^{65} - 0.226258u^{64} + \cdots + 9.77991u - 3.88162 \end{pmatrix}$$

$$a_7 = \begin{pmatrix} 0.183485u^{65} + 0.376814u^{64} + \cdots + 44.2181u - 10.0787 \\ -0.0938407u^{65} - 0.227660u^{64} + \cdots - 10.9063u + 3.96108 \end{pmatrix}$$

$$a_1 = \begin{pmatrix} 0.431722u^{65} + 1.24657u^{64} + \cdots + 41.2616u - 2.40760 \\ 0.0228165u^{65} + 0.142911u^{64} + \cdots + 2.85831u - 3.07897 \end{pmatrix}$$

$$a_8 = \begin{pmatrix} 0.137406u^{65} + 0.154946u^{64} + \cdots + 52.6432u - 12.3398 \\ -0.106962u^{65} - 0.276610u^{64} + \cdots - 13.8597u + 4.46596 \end{pmatrix}$$

(ii) Obstruction class $= -1$

(iii) Cusp Shapes $= 0.703263u^{65} + 1.38008u^{64} + \cdots + 130.121u - 35.8005$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1	$u^{66} + u^{65} + \cdots - 1128u + 193$
c_2, c_5	$u^{66} + 3u^{65} + \cdots - 77u + 21$
c_3	$u^{66} - 5u^{65} + \cdots - 7u + 3$
c_4	$u^{66} - u^{65} + \cdots + 1128u + 193$
c_6, c_9	$u^{66} - 3u^{65} + \cdots + 77u + 21$
c_7	$u^{66} - u^{65} + \cdots - 31u + 3$
c_8	$u^{66} + u^{65} + \cdots + 31u + 3$
c_{10}	$u^{66} + 5u^{65} + \cdots + 7u + 3$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1, c_4	$y^{66} + 5y^{65} + \cdots + 1235072y + 37249$
c_2, c_5, c_6 c_9	$y^{66} + 35y^{65} + \cdots + 7259y + 441$
c_3, c_{10}	$y^{66} + y^{65} + \cdots + 149y + 9$
c_7, c_8	$y^{66} + 3y^{65} + \cdots - 31y + 9$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = -0.662737 + 0.747286I$ $a = 1.84867 - 0.18714I$ $b = 0.643705 + 0.913849I$	$-2.10904 + 4.58826I$	$-5.96198 - 6.80019I$
$u = -0.662737 - 0.747286I$ $a = 1.84867 + 0.18714I$ $b = 0.643705 - 0.913849I$	$-2.10904 - 4.58826I$	$-5.96198 + 6.80019I$
$u = -0.759989 + 0.676773I$ $a = 0.352294 - 0.243482I$ $b = 0.355245 - 1.033540I$	$-2.30167 + 0.78056I$	$-4.09013 - 4.30344I$
$u = -0.759989 - 0.676773I$ $a = 0.352294 + 0.243482I$ $b = 0.355245 + 1.033540I$	$-2.30167 - 0.78056I$	$-4.09013 + 4.30344I$
$u = 0.287386 + 0.983998I$ $a = -1.48006 - 0.92224I$ $b = -1.303580 - 0.315783I$	$4.24208 - 0.93364I$	$15.9161 + 3.0658I$
$u = 0.287386 - 0.983998I$ $a = -1.48006 + 0.92224I$ $b = -1.303580 + 0.315783I$	$4.24208 + 0.93364I$	$15.9161 - 3.0658I$
$u = 0.458890 + 0.841270I$ $a = 1.79291 - 0.60912I$ $b = 0.396945 - 1.221130I$	$-3.75920 + 1.29912I$	$-3.74536 + 0.15014I$
$u = 0.458890 - 0.841270I$ $a = 1.79291 + 0.60912I$ $b = 0.396945 + 1.221130I$	$-3.75920 - 1.29912I$	$-3.74536 - 0.15014I$
$u = -0.149058 + 1.034510I$ $a = -1.68613 + 0.22740I$ $b = -1.334980 + 0.373687I$	$4.29717 + 0.35366I$	$9.83486 + 1.20455I$
$u = -0.149058 - 1.034510I$ $a = -1.68613 - 0.22740I$ $b = -1.334980 - 0.373687I$	$4.29717 - 0.35366I$	$9.83486 - 1.20455I$

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = 0.355245 + 1.033540I$ $a = -0.362934 - 0.639915I$ $b = -0.759989 - 0.676773I$	$2.30167 + 0.78056I$	0
$u = 0.355245 - 1.033540I$ $a = -0.362934 + 0.639915I$ $b = -0.759989 + 0.676773I$	$2.30167 - 0.78056I$	0
$u = 0.643705 + 0.913849I$ $a = -1.20470 - 0.82212I$ $b = -0.662737 + 0.747286I$	$2.10904 - 4.58826I$	0
$u = 0.643705 - 0.913849I$ $a = -1.20470 + 0.82212I$ $b = -0.662737 - 0.747286I$	$2.10904 + 4.58826I$	0
$u = 0.360202 + 1.059140I$ $a = -2.20455 + 0.76831I$ $b = -0.342978 + 1.152930I$	$-2.39843 - 6.38163I$	0
$u = 0.360202 - 1.059140I$ $a = -2.20455 - 0.76831I$ $b = -0.342978 - 1.152930I$	$-2.39843 + 6.38163I$	0
$u = 0.359059 + 0.750855I$ $a = -0.298810 + 0.451021I$ $b = 0.08218 + 1.58909I$	$-4.14504 - 4.87522I$	$-2.26179 + 9.07875I$
$u = 0.359059 - 0.750855I$ $a = -0.298810 - 0.451021I$ $b = 0.08218 - 1.58909I$	$-4.14504 + 4.87522I$	$-2.26179 - 9.07875I$
$u = -0.783137 + 0.250577I$ $a = 0.259092 + 0.291154I$ $b = -0.271930 - 1.178510I$	$-3.01082 + 3.10826I$	$-5.64725 - 5.61918I$
$u = -0.783137 - 0.250577I$ $a = 0.259092 - 0.291154I$ $b = -0.271930 + 1.178510I$	$-3.01082 - 3.10826I$	$-5.64725 + 5.61918I$

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol} + \sqrt{-1}CS)$	Cusp shape
$u = -0.009834 + 0.802079I$ $a = -2.12400 - 0.10197I$ $b = -0.596579 + 1.045740I$	$0.88395 - 2.01054I$	$3.45858 + 2.97810I$
$u = -0.009834 - 0.802079I$ $a = -2.12400 + 0.10197I$ $b = -0.596579 - 1.045740I$	$0.88395 + 2.01054I$	$3.45858 - 2.97810I$
$u = -0.342978 + 1.152930I$ $a = 1.61910 - 0.70992I$ $b = 0.360202 + 1.059140I$	$2.39843 + 6.38163I$	0
$u = -0.342978 - 1.152930I$ $a = 1.61910 + 0.70992I$ $b = 0.360202 - 1.059140I$	$2.39843 - 6.38163I$	0
$u = -0.596579 + 1.045740I$ $a = 1.260790 + 0.175394I$ $b = -0.009834 + 0.802079I$	$-0.88395 + 2.01054I$	0
$u = -0.596579 - 1.045740I$ $a = 1.260790 - 0.175394I$ $b = -0.009834 - 0.802079I$	$-0.88395 - 2.01054I$	0
$u = -0.271930 + 1.178510I$ $a = -0.965808 - 0.442503I$ $b = -0.783137 - 0.250577I$	$3.01082 + 3.10826I$	0
$u = -0.271930 - 1.178510I$ $a = -0.965808 + 0.442503I$ $b = -0.783137 + 0.250577I$	$3.01082 - 3.10826I$	0
$u = 0.687231 + 0.358682I$ $a = 0.443779 + 0.395345I$ $b = -0.430277 - 1.187340I$	$-1.38542 + 3.12807I$	$0.18739 - 5.83461I$
$u = 0.687231 - 0.358682I$ $a = 0.443779 - 0.395345I$ $b = -0.430277 + 1.187340I$	$-1.38542 - 3.12807I$	$0.18739 + 5.83461I$

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol} + \sqrt{-1}CS)$	Cusp shape
$u = 0.542734 + 1.105870I$ $a = -1.71563 - 0.08154I$ $b = -0.68953 + 1.34019I$	$0.80844 - 7.87674I$	0
$u = 0.542734 - 1.105870I$ $a = -1.71563 + 0.08154I$ $b = -0.68953 - 1.34019I$	$0.80844 + 7.87674I$	0
$u = 1.195210 + 0.323364I$ $a = 0.164442 - 0.141775I$ $b = 0.499077 + 1.182910I$	$-3.08497 + 10.03660I$	0
$u = 1.195210 - 0.323364I$ $a = 0.164442 + 0.141775I$ $b = 0.499077 - 1.182910I$	$-3.08497 - 10.03660I$	0
$u = 0.734419 + 0.105022I$ $a = 0.549959 + 1.225450I$ $b = 0.734419 - 0.105022I$	$5.41602I$	$0. - 4.57520I$
$u = 0.734419 - 0.105022I$ $a = 0.549959 - 1.225450I$ $b = 0.734419 + 0.105022I$	$- 5.41602I$	$0. + 4.57520I$
$u = -0.430277 + 1.187340I$ $a = 1.052010 - 0.353445I$ $b = 0.687231 - 0.358682I$	$1.38542 + 3.12807I$	0
$u = -0.430277 - 1.187340I$ $a = 1.052010 + 0.353445I$ $b = 0.687231 + 0.358682I$	$1.38542 - 3.12807I$	0
$u = 0.499077 + 1.182910I$ $a = 1.205270 + 0.532515I$ $b = 1.195210 + 0.323364I$	$3.08497 - 10.03660I$	0
$u = 0.499077 - 1.182910I$ $a = 1.205270 - 0.532515I$ $b = 1.195210 - 0.323364I$	$3.08497 + 10.03660I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = 0.396945 + 1.221130I$ $a = 1.047550 + 0.443482I$ $b = 0.458890 - 0.841270I$	$3.75920 + 1.29912I$	0
$u = 0.396945 - 1.221130I$ $a = 1.047550 - 0.443482I$ $b = 0.458890 + 0.841270I$	$3.75920 - 1.29912I$	0
$u = -0.610321 + 0.270672I$ $a = 0.749139 - 0.428729I$ $b = 0.290517 - 0.266226I$	$-1.36445 + 0.78938I$	$-4.43693 - 1.27648I$
$u = -0.610321 - 0.270672I$ $a = 0.749139 + 0.428729I$ $b = 0.290517 + 0.266226I$	$-1.36445 - 0.78938I$	$-4.43693 + 1.27648I$
$u = -0.448635 + 1.259820I$ $a = -1.39053 - 0.45102I$ $b = -0.71942 - 1.28265I$	$1.26966 + 7.40298I$	0
$u = -0.448635 - 1.259820I$ $a = -1.39053 + 0.45102I$ $b = -0.71942 + 1.28265I$	$1.26966 - 7.40298I$	0
$u = -1.303580 + 0.315783I$ $a = 0.334582 + 0.347965I$ $b = 0.287386 - 0.983998I$	$-4.24208 - 0.93364I$	0
$u = -1.303580 - 0.315783I$ $a = 0.334582 - 0.347965I$ $b = 0.287386 + 0.983998I$	$-4.24208 + 0.93364I$	0
$u = -0.043435 + 0.637728I$ $a = -4.04261 - 0.04501I$ $b = -0.043435 - 0.637728I$	$-4.25960I$	$-60.10 - 0.329447I$
$u = -0.043435 - 0.637728I$ $a = -4.04261 + 0.04501I$ $b = -0.043435 + 0.637728I$	$4.25960I$	$-60.10 + 0.329447I$

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u=-1.334980+0.373687I$ $a=\ \ 0.207880-0.197593I$ $b=-0.149058+1.034510I$	$-4.29717-0.35366I$	0
$u=-1.334980-0.373687I$ $a=\ \ 0.207880+0.197593I$ $b=-0.149058-1.034510I$	$-4.29717+0.35366I$	0
$u=\ \ 0.280686+0.541514I$ $a=\ \ 0.076389+1.010860I$ $b=-0.198274-1.381690I$	$-4.11853+3.35398I$	$-7.32610+2.92910I$
$u=\ \ 0.280686-0.541514I$ $a=\ \ 0.076389-1.010860I$ $b=-0.198274+1.381690I$	$-4.11853-3.35398I$	$-7.32610-2.92910I$
$u=-0.198274+1.381690I$ $a=\ \ 0.457708-0.947576I$ $b=\ \ 0.280686-0.541514I$	$4.11853+3.35398I$	0
$u=-0.198274-1.381690I$ $a=\ \ 0.457708+0.947576I$ $b=\ \ 0.280686+0.541514I$	$4.11853-3.35398I$	0
$u=\ \ 0.68120+1.28817I$ $a=\ \ 1.52199-0.01935I$ $b=\ \ 0.68120-1.28817I$	$-16.6380I$	0
$u=\ \ 0.68120-1.28817I$ $a=\ \ 1.52199+0.01935I$ $b=\ \ 0.68120+1.28817I$	$16.6380I$	0
$u=-0.71942+1.28265I$ $a=-0.971050-0.037443I$ $b=-0.448635-1.259820I$	$-1.26966+7.40298I$	0
$u=-0.71942-1.28265I$ $a=-0.971050+0.037443I$ $b=-0.448635+1.259820I$	$-1.26966-7.40298I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u=-0.68953+1.34019I$ $a=\ \ 1.43294+0.02037I$ $b=\ \ 0.542734+1.105870I$	$-0.80844+7.87674I$	0
$u=-0.68953-1.34019I$ $a=\ \ 1.43294-0.02037I$ $b=\ \ 0.542734-1.105870I$	$-0.80844-7.87674I$	0
$u=\ \ 0.08218+1.58909I$ $a=\ \ 0.412708+0.473001I$ $b=\ \ 0.359059+0.750855I$	$4.14504+4.87522I$	0
$u=\ \ 0.08218-1.58909I$ $a=\ \ 0.412708-0.473001I$ $b=\ \ 0.359059-0.750855I$	$4.14504-4.87522I$	0
$u=\ \ 0.290517+0.266226I$ $a=\ \ 0.824282+0.013319I$ $b=-0.610321-0.270672I$	$1.36445+0.78938I$	$4.43693-1.27648I$
$u=\ \ 0.290517-0.266226I$ $a=\ \ 0.824282-0.013319I$ $b=-0.610321+0.270672I$	$1.36445-0.78938I$	$4.43693+1.27648I$

II.

$$\boldsymbol{I_2^u = \langle -u^{11} - 5u^{10} + \cdots + b - 2,\ u^{11} + 3u^{10} + \cdots + a - 1,\ u^{12} + 4u^{11} + \cdots + 2u + 1\rangle}$$

(i) Arc colorings

$$a_2 = \begin{pmatrix} 0 \\ u \end{pmatrix}$$
$$a_6 = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$
$$a_5 = \begin{pmatrix} 1 \\ -u^2 \end{pmatrix}$$
$$a_3 = \begin{pmatrix} -u \\ u^3 + u \end{pmatrix}$$
$$a_{10} = \begin{pmatrix} -u^{11} - 3u^{10} + \cdots - 3u + 1 \\ u^{11} + 5u^{10} + \cdots + 8u + 2 \end{pmatrix}$$
$$a_4 = \begin{pmatrix} u^{11} + 5u^{10} + \cdots + 14u + 5 \\ -u^{10} - 4u^9 + \cdots - 6u - 4 \end{pmatrix}$$
$$a_9 = \begin{pmatrix} -2u^{11} - 8u^{10} + \cdots - 11u - 1 \\ u^{11} + 5u^{10} + \cdots + 8u + 2 \end{pmatrix}$$
$$a_7 = \begin{pmatrix} -2u^{11} - 10u^{10} + \cdots - 14u - 5 \\ -2u^{11} - 6u^{10} + \cdots + 2u + 4 \end{pmatrix}$$
$$a_1 = \begin{pmatrix} -u^{10} - 4u^9 + \cdots - 11u - 6 \\ -u^{11} - 3u^{10} + \cdots + 2u + 4 \end{pmatrix}$$
$$a_8 = \begin{pmatrix} -3u^{11} - 13u^{10} + \cdots - 15u - 4 \\ -u^{11} - 2u^{10} + \cdots + 4u + 4 \end{pmatrix}$$

(ii) Obstruction class $= 1$

(iii) Cusp Shapes
$= 6u^{11} + 26u^{10} + 70u^9 + 137u^8 + 198u^7 + 228u^6 + 208u^5 + 155u^4 + 112u^3 + 67u^2 + 34u + 12$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1	$u^{12} - 2u^{10} + u^8 - 6u^7 + 12u^5 + 4u^4 - 8u^3 + u^2 + 3u + 3$
c_2, c_9	$u^{12} - 4u^{11} + \cdots - 2u + 1$
c_3	$u^{12} + 2u^{11} - u^9 + 6u^8 + 12u^7 + 2u^6 - 11u^5 - 5u^4 + u^3 + u^2 + 1$
c_4	$u^{12} - 2u^{10} + u^8 + 6u^7 - 12u^5 + 4u^4 + 8u^3 + u^2 - 3u + 3$
c_5, c_6	$u^{12} + 4u^{11} + \cdots + 2u + 1$
c_7	$u^{12} + 3u^{10} + u^9 + 3u^8 + 4u^7 + 3u^6 + 4u^5 + 3u^4 + u^3 + 3u^2 + 1$
c_8	$u^{12} + 3u^{10} - u^9 + 3u^8 - 4u^7 + 3u^6 - 4u^5 + 3u^4 - u^3 + 3u^2 + 1$
c_{10}	$u^{12} - 2u^{11} + u^9 + 6u^8 - 12u^7 + 2u^6 + 11u^5 - 5u^4 - u^3 + u^2 + 1$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1, c_4	$y^{12} - 4y^{11} + \cdots - 3y + 9$
c_2, c_5, c_6 c_9	$y^{12} + 6y^{11} + \cdots + 12y + 1$
c_3, c_{10}	$y^{12} - 4y^{11} + \cdots + 2y + 1$
c_7, c_8	$y^{12} + 6y^{11} + \cdots + 6y + 1$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_2^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u=-0.238381+0.958097I$ $a=-1.64769+0.58255I$ $b=-1.340910+0.230586I$	$3.76649+0.96528I$	$-2.46025-6.19259I$
$u=-0.238381-0.958097I$ $a=-1.64769-0.58255I$ $b=-1.340910-0.230586I$	$3.76649-0.96528I$	$-2.46025+6.19259I$
$u=\ \ 0.275611+0.671814I$ $a=\ \ 3.49684+1.04213I$ $b=\ \ 0.275611-0.671814I$	$-4.91597I$	$0.+11.11517I$
$u=\ \ 0.275611-0.671814I$ $a=\ \ 3.49684-1.04213I$ $b=\ \ 0.275611+0.671814I$	$4.91597I$	$0.-11.11517I$
$u=-0.540477+1.222060I$ $a=-1.42814-0.09893I$ $b=-0.540477-1.222060I$	$6.92803I$	$0.-5.92253I$
$u=-0.540477-1.222060I$ $a=-1.42814+0.09893I$ $b=-0.540477+1.222060I$	$-6.92803I$	$0.+5.92253I$
$u=-1.340910+0.230586I$ $a=-0.144225-0.306569I$ $b=-0.238381+0.958097I$	$-3.76649-0.96528I$	$2.46025+6.19259I$
$u=-1.340910-0.230586I$ $a=-0.144225+0.306569I$ $b=-0.238381-0.958097I$	$-3.76649+0.96528I$	$2.46025-6.19259I$
$u=-0.09726+1.42673I$ $a=-0.530300+0.558704I$ $b=-0.058582+0.533279I$	$3.74262+3.79217I$	$-1.40025-6.58435I$
$u=-0.09726-1.42673I$ $a=-0.530300-0.558704I$ $b=-0.058582-0.533279I$	$3.74262-3.79217I$	$-1.40025+6.58435I$

Solutions to I_2^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = -0.058582 + 0.533279I$ $a = \quad 1.253520 - 0.119688I$ $b = -0.09726 + 1.42673I$	$-3.74262 - 3.79217I$	$1.40025 + 6.58435I$
$u = -0.058582 - 0.533279I$ $a = \quad 1.253520 + 0.119688I$ $b = -0.09726 - 1.42673I$	$-3.74262 + 3.79217I$	$1.40025 - 6.58435I$

III. u-Polynomials

Crossings	u-Polynomials at each crossing
c_1	$(u^{12}-2u^{10}+u^8-6u^7+12u^5+4u^4-8u^3+u^2+3u+3)$ $\cdot(u^{66}+u^{65}+\cdots-1128u+193)$
c_2	$(u^{12}-4u^{11}+\cdots-2u+1)(u^{66}+3u^{65}+\cdots-77u+21)$
c_3	$(u^{12}+2u^{11}-u^9+6u^8+12u^7+2u^6-11u^5-5u^4+u^3+u^2+1)$ $\cdot(u^{66}-5u^{65}+\cdots-7u+3)$
c_4	$(u^{12}-2u^{10}+u^8+6u^7-12u^5+4u^4+8u^3+u^2-3u+3)$ $\cdot(u^{66}-u^{65}+\cdots+1128u+193)$
c_5	$(u^{12}+4u^{11}+\cdots+2u+1)(u^{66}+3u^{65}+\cdots-77u+21)$
c_6	$(u^{12}+4u^{11}+\cdots+2u+1)(u^{66}-3u^{65}+\cdots+77u+21)$
c_7	$(u^{12}+3u^{10}+u^9+3u^8+4u^7+3u^6+4u^5+3u^4+u^3+3u^2+1)$ $\cdot(u^{66}-u^{65}+\cdots-31u+3)$
c_8	$(u^{12}+3u^{10}-u^9+3u^8-4u^7+3u^6-4u^5+3u^4-u^3+3u^2+1)$ $\cdot(u^{66}+u^{65}+\cdots+31u+3)$
c_9	$(u^{12}-4u^{11}+\cdots-2u+1)(u^{66}-3u^{65}+\cdots+77u+21)$
c_{10}	$(u^{12}-2u^{11}+u^9+6u^8-12u^7+2u^6+11u^5-5u^4-u^3+u^2+1)$ $\cdot(u^{66}+5u^{65}+\cdots+7u+3)$

IV. Riley Polynomials

Crossings	Riley Polynomials at each crossing
c_1, c_4	$(y^{12} - 4y^{11} + \cdots - 3y + 9)(y^{66} + 5y^{65} + \cdots + 1235072y + 37249)$
c_2, c_5, c_6 c_9	$(y^{12} + 6y^{11} + \cdots + 12y + 1)(y^{66} + 35y^{65} + \cdots + 7259y + 441)$
c_3, c_{10}	$(y^{12} - 4y^{11} + \cdots + 2y + 1)(y^{66} + y^{65} + \cdots + 149y + 9)$
c_7, c_8	$(y^{12} + 6y^{11} + \cdots + 6y + 1)(y^{66} + 3y^{65} + \cdots - 31y + 9)$