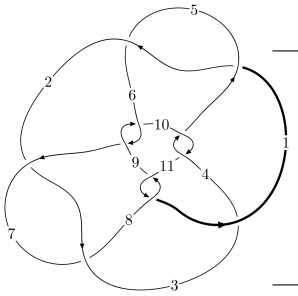
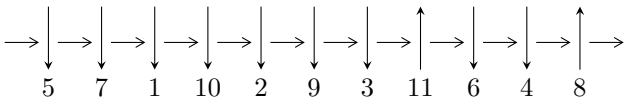
$11a_{275}$ $(K11a_{275})$



A knot diagram[1]

Linearized knot diagam



Solving Sequence

$$6,9 \underset{c_6}{\rightarrow} 2,7 \underset{c_2}{\rightarrow} 3 \underset{c_9}{\rightarrow} 10 \underset{c_5}{\rightarrow} 5 \underset{c_1}{\rightarrow} 1 \underset{c_4}{\rightarrow} 4 \underset{c_{10}}{\rightarrow} 11 \underset{c_8}{\rightarrow} 8 \longrightarrow\!\!\!\!\rightarrow c_3, c_7, c_{11}$$

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

$$\begin{aligned} I_1^u = \langle & -1.60406 \times 10^{219} u^{79} - 7.17243 \times 10^{219} u^{78} + \cdots + 4.34238 \times 10^{220} b - 5.34167 \times 10^{220}, \\ & 1.16482 \times 10^{219} u^{79} + 3.98757 \times 10^{219} u^{78} + \cdots + 4.34238 \times 10^{220} a - 4.56749 \times 10^{220}, \\ & u^{80} + 4u^{79} + \cdots - 27u + 34 \rangle \\ I_2^u = \langle & -6630u^{15} + 14537u^{14} + \cdots + 13613b - 33108,\ 5953u^{15} - 4661u^{14} + \cdots + 13613a + 59873, \\ & u^{16} - 3u^{15} + \cdots + u + 1 \rangle \end{aligned}$$

* 2 irreducible components of $\dim_{\mathbb{C}} = 0$, with total 96 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. $\boldsymbol{I_1^u = \langle -1.60 \times 10^{219} u^{79} - 7.17 \times 10^{219} u^{78} + \cdots + 4.34 \times 10^{220} b - 5.34 \times 10^{220},\ 1.16 \times 10^{219} u^{79} + 3.99 \times 10^{219} u^{78} + \cdots + 4.34 \times 10^{220} a - 4.57 \times 10^{220},\ u^{80} + 4u^{79} + \cdots - 27u + 34 \rangle}$

(i) Arc colorings

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

$$a_9 = \begin{pmatrix} 0 \\ u \end{pmatrix}$$

$$a_2 = \begin{pmatrix} -0.0268244u^{79} - 0.0918292u^{78} + \cdots - 5.38213u + 1.05184 \\ 0.0369397u^{79} + 0.165173u^{78} + \cdots + 0.512746u + 1.23013 \end{pmatrix}$$

$$a_7 = \begin{pmatrix} 1 \\ u^2 \end{pmatrix}$$

$$a_3 = \begin{pmatrix} -0.0588440u^{79} - 0.241530u^{78} + \cdots - 4.56519u - 0.704217 \\ 0.0522405u^{79} + 0.236004u^{78} + \cdots + 1.01761u + 1.96528 \end{pmatrix}$$

$$a_{10} = \begin{pmatrix} -u \\ u \end{pmatrix}$$

$$a_5 = \begin{pmatrix} 0.0188852u^{79} + 0.0877304u^{78} + \cdots + 10.3791u + 0.440251 \\ -0.0179480u^{79} - 0.0787893u^{78} + \cdots - 0.984862u - 1.15735 \end{pmatrix}$$

$$a_1 = \begin{pmatrix} 0.00943403u^{79} + 0.0573905u^{78} + \cdots - 1.31883u + 0.270591 \\ -0.0530260u^{79} - 0.228362u^{78} + \cdots - 1.09682u - 1.74483 \end{pmatrix}$$

$$a_4 = \begin{pmatrix} 0.0236248u^{79} + 0.0987805u^{78} + \cdots + 10.4875u + 0.263710 \\ -0.0226876u^{79} - 0.0898394u^{78} + \cdots - 1.09319u - 0.980806 \end{pmatrix}$$

$$a_{11} = \begin{pmatrix} -0.00299351u^{79} - 0.0183881u^{78} + \cdots + 8.20270u - 3.09923 \\ 0.0297591u^{79} + 0.156515u^{78} + \cdots - 0.945183u + 1.83821 \end{pmatrix}$$

$$a_8 = \begin{pmatrix} -0.0233526u^{79} - 0.108117u^{78} + \cdots - 10.4317u - 0.210530 \\ 0.0379355u^{79} + 0.146692u^{78} + \cdots + 2.16096u + 0.319527 \end{pmatrix}$$

$$a_8 = \begin{pmatrix} -0.0233526u^{79} - 0.108117u^{78} + \cdots - 10.4317u - 0.210530 \\ 0.0379355u^{79} + 0.146692u^{78} + \cdots + 2.16096u + 0.319527 \end{pmatrix}$$

(ii) Obstruction class $= -1$

(iii) Cusp Shapes $= 0.0374310u^{79} + 0.158984u^{78} + \cdots - 4.27920u - 10.1108$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1, c_5	$u^{80} + u^{79} + \cdots - 6u - 1$
c_2, c_7	$u^{80} - u^{79} + \cdots + 3416u - 3721$
c_3	$u^{80} - 3u^{79} + \cdots + 35212u - 5777$
c_4, c_{10}	$u^{80} + 5u^{79} + \cdots - 306u - 527$
c_6, c_9	$u^{80} - 4u^{79} + \cdots + 27u + 34$
c_8, c_{11}	$u^{80} + 2u^{79} + \cdots - 181u + 31$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1, c_5	$y^{80} - 43y^{79} + \cdots - 4y + 1$
c_2, c_7	$y^{80} - 47y^{79} + \cdots - 72209726y + 13845841$
c_3	$y^{80} - 25y^{79} + \cdots - 1723258088y + 33373729$
c_4, c_{10}	$y^{80} + 37y^{79} + \cdots + 5061478y + 277729$
c_6, c_9	$y^{80} + 46y^{79} + \cdots - 6577y + 1156$
c_8, c_{11}	$y^{80} + 46y^{79} + \cdots - 21229y + 961$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u=-0.106386+1.004750I$ $a=\ 1.30657-3.48011I$ $b=-0.934597+0.108810I$	$-1.54698+0.32425I$	$0.+43.4640I$
$u=-0.106386-1.004750I$ $a=\ 1.30657+3.48011I$ $b=-0.934597-0.108810I$	$-1.54698-0.32425I$	$0.-43.4640I$
$u=-0.949052+0.351718I$ $a=\ 0.026470-0.205607I$ $b=\ 1.365600+0.175084I$	$-10.27100-4.13973I$	$-15.7867+0.I$
$u=-0.949052-0.351718I$ $a=\ 0.026470+0.205607I$ $b=\ 1.365600-0.175084I$	$-10.27100+4.13973I$	$-15.7867+0.I$
$u=\ 0.962671$ $a=\ 0.0366403$ $b=\ 1.32951$	-6.48924	-14.1030
$u=\ 0.937397+0.161665I$ $a=\ 0.920463-0.400431I$ $b=\ 0.967920+0.489832I$	$-2.35882-5.51067I$	$-9.84350+5.87992I$
$u=\ 0.937397-0.161665I$ $a=\ 0.920463+0.400431I$ $b=\ 0.967920-0.489832I$	$-2.35882+5.51067I$	$-9.84350-5.87992I$
$u=-0.793127+0.690281I$ $a=\ 0.518674+0.094068I$ $b=-1.273860-0.525082I$	$-6.89106+0.74404I$	0
$u=-0.793127-0.690281I$ $a=\ 0.518674-0.094068I$ $b=-1.273860+0.525082I$	$-6.89106-0.74404I$	0
$u=-0.659363+0.854056I$ $a=-0.57349-1.44928I$ $b=-0.199019+0.681360I$	$-3.86467+5.85230I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u=-0.659363-0.854056I$ $a=-0.57349+1.44928I$ $b=-0.199019-0.681360I$	$-3.86467-5.85230I$	0
$u=-0.805203+0.426514I$ $a=-1.28132-1.16225I$ $b=-0.252459-0.114986I$	$-3.58794+6.02169I$	$-10.86973-2.67201I$
$u=-0.805203-0.426514I$ $a=-1.28132+1.16225I$ $b=-0.252459+0.114986I$	$-3.58794-6.02169I$	$-10.86973+2.67201I$
$u=0.387429+1.022610I$ $a=0.54036-1.44386I$ $b=-0.59005+1.44645I$	$3.03457-2.75755I$	0
$u=0.387429-1.022610I$ $a=0.54036+1.44386I$ $b=-0.59005-1.44645I$	$3.03457+2.75755I$	0
$u=0.498626+0.991215I$ $a=0.201073+1.385690I$ $b=-0.651728-0.201624I$	$0.84491-2.13326I$	0
$u=0.498626-0.991215I$ $a=0.201073-1.385690I$ $b=-0.651728+0.201624I$	$0.84491+2.13326I$	0
$u=0.775066+0.803905I$ $a=0.351470-0.336348I$ $b=0.684548-0.092570I$	$-0.81827-2.05131I$	0
$u=0.775066-0.803905I$ $a=0.351470+0.336348I$ $b=0.684548+0.092570I$	$-0.81827+2.05131I$	0
$u=-0.598911+0.644725I$ $a=0.666718+0.938431I$ $b=-0.468858-0.776453I$	$-4.43027-1.02077I$	$-11.34703+0.I$

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u=-0.598911-0.644725I$ $a=\ \ 0.666718-0.938431I$ $b=-0.468858+0.776453I$	$-4.43027+1.02077I$	$-11.34703+0.I$
$u=-0.132414+0.853219I$ $a=\ \ 0.07134-1.57906I$ $b=-0.966164+0.359794I$	$-0.328167+0.843678I$	$-6.69440-1.81465I$
$u=-0.132414-0.853219I$ $a=\ \ 0.07134+1.57906I$ $b=-0.966164-0.359794I$	$-0.328167-0.843678I$	$-6.69440+1.81465I$
$u=\ \ 1.116250+0.229412I$ $a=\ \ 0.099344+0.155243I$ $b=-1.214420+0.397022I$	$-2.84331+4.24599I$	0
$u=\ \ 1.116250-0.229412I$ $a=\ \ 0.099344-0.155243I$ $b=-1.214420-0.397022I$	$-2.84331-4.24599I$	0
$u=-0.431362+1.068660I$ $a=\ \ 0.215285+1.394890I$ $b=\ \ 1.208240-0.650185I$	$3.92912+5.75666I$	0
$u=-0.431362-1.068660I$ $a=\ \ 0.215285-1.394890I$ $b=\ \ 1.208240+0.650185I$	$3.92912-5.75666I$	0
$u=\ \ 0.205171+0.782039I$ $a=\ \ 0.45788+1.43880I$ $b=\ \ 0.046673-0.232573I$	$1.09182-1.88602I$	$-3.93284+6.84227I$
$u=\ \ 0.205171-0.782039I$ $a=\ \ 0.45788-1.43880I$ $b=\ \ 0.046673+0.232573I$	$1.09182+1.88602I$	$-3.93284-6.84227I$
$u=-0.395238+1.125030I$ $a=-1.09528+1.30675I$ $b=\ \ 1.221700-0.524298I$	$-5.77402-0.98954I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u=-0.395238-1.125030I$ $a=-1.09528-1.30675I$ $b=\ \ 1.221700+0.524298I$	$-5.77402+0.98954I$	0
$u=-0.679537+1.008540I$ $a=\ \ 0.05788-1.67451I$ $b=-1.111850+0.790562I$	$-5.89450+4.83270I$	0
$u=-0.679537-1.008540I$ $a=\ \ 0.05788+1.67451I$ $b=-1.111850-0.790562I$	$-5.89450-4.83270I$	0
$u=-0.085610+1.213650I$ $a=-0.506285-0.982225I$ $b=\ \ 0.400724+1.016080I$	$6.51711-0.28172I$	0
$u=-0.085610-1.213650I$ $a=-0.506285+0.982225I$ $b=\ \ 0.400724-1.016080I$	$6.51711+0.28172I$	0
$u=\ \ 0.317123+0.711899I$ $a=-0.51685+2.64573I$ $b=\ \ 0.038672-1.233930I$	$1.84806-0.31109I$	$-8.59302-2.40672I$
$u=\ \ 0.317123-0.711899I$ $a=-0.51685-2.64573I$ $b=\ \ 0.038672+1.233930I$	$1.84806+0.31109I$	$-8.59302+2.40672I$
$u=\ \ 0.067213+0.764941I$ $a=-1.80505+1.83294I$ $b=-1.099080-0.188046I$	$-2.33888-0.32984I$	$-8.07472-4.98162I$
$u=\ \ 0.067213-0.764941I$ $a=-1.80505-1.83294I$ $b=-1.099080+0.188046I$	$-2.33888+0.32984I$	$-8.07472+4.98162I$
$u=\ \ 0.607844+0.450538I$ $a=\ \ 0.522201+0.024471I$ $b=\ \ 0.220687-0.347615I$	$-0.75850-1.84706I$	$-5.49749+3.01488I$

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = 0.607844 - 0.450538I$ $a = 0.522201 - 0.024471I$ $b = 0.220687 + 0.347615I$	$-0.75850 + 1.84706I$	$-5.49749 - 3.01488I$
$u = -0.482232 + 1.167990I$ $a = 0.278937 + 1.270480I$ $b = -0.306276 - 1.309440I$	$-0.18620 + 9.95806I$	0
$u = -0.482232 - 1.167990I$ $a = 0.278937 - 1.270480I$ $b = -0.306276 + 1.309440I$	$-0.18620 - 9.95806I$	0
$u = -0.145194 + 0.718422I$ $a = -0.718273 - 0.325939I$ $b = 1.86404 + 0.21206I$	$-7.72237 + 3.39581I$	$-2.62157 - 5.42993I$
$u = -0.145194 - 0.718422I$ $a = -0.718273 + 0.325939I$ $b = 1.86404 - 0.21206I$	$-7.72237 - 3.39581I$	$-2.62157 + 5.42993I$
$u = -0.284742 + 1.290950I$ $a = -0.049100 - 0.733204I$ $b = -1.200570 + 0.409251I$	$0.524621 - 0.718329I$	0
$u = -0.284742 - 1.290950I$ $a = -0.049100 + 0.733204I$ $b = -1.200570 - 0.409251I$	$0.524621 + 0.718329I$	0
$u = 0.484484 + 1.248630I$ $a = 0.139134 - 1.321260I$ $b = 1.244740 + 0.562971I$	$1.63511 - 10.27850I$	0
$u = 0.484484 - 1.248630I$ $a = 0.139134 + 1.321260I$ $b = 1.244740 - 0.562971I$	$1.63511 + 10.27850I$	0
$u = 0.693014 + 1.153210I$ $a = -0.233591 + 0.433958I$ $b = -1.209870 - 0.311520I$	$1.00831 - 3.62362I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = 0.693014 - 1.153210I$ $a = -0.233591 - 0.433958I$ $b = -1.209870 + 0.311520I$	$1.00831 + 3.62362I$	0
$u = 0.505678 + 1.267990I$ $a = -0.627794 - 1.192600I$ $b = 1.219070 + 0.431198I$	$-2.57891 - 5.15325I$	0
$u = 0.505678 - 1.267990I$ $a = -0.627794 + 1.192600I$ $b = 1.219070 - 0.431198I$	$-2.57891 + 5.15325I$	0
$u = -0.610191 + 1.221500I$ $a = -0.43570 + 1.51047I$ $b = 1.199520 - 0.436737I$	$-7.51244 + 9.85286I$	0
$u = -0.610191 - 1.221500I$ $a = -0.43570 - 1.51047I$ $b = 1.199520 + 0.436737I$	$-7.51244 - 9.85286I$	0
$u = 0.204953 + 1.350040I$ $a = -0.308819 + 0.965842I$ $b = 0.190591 - 0.919605I$	$4.86269 - 4.86500I$	0
$u = 0.204953 - 1.350040I$ $a = -0.308819 - 0.965842I$ $b = 0.190591 + 0.919605I$	$4.86269 + 4.86500I$	0
$u = -0.502245 + 0.337110I$ $a = 0.626882 + 0.952788I$ $b = 0.728847 + 0.455431I$	$1.91146 - 1.96925I$	$-2.72689 + 3.92118I$
$u = -0.502245 - 0.337110I$ $a = 0.626882 - 0.952788I$ $b = 0.728847 - 0.455431I$	$1.91146 + 1.96925I$	$-2.72689 - 3.92118I$
$u = 0.66119 + 1.26252I$ $a = 0.23631 + 1.39596I$ $b = -1.33184 - 0.78181I$	$0.29094 - 10.51250I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = 0.66119 - 1.26252I$ $a = 0.23631 - 1.39596I$ $b = -1.33184 + 0.78181I$	$0.29094 + 10.51250I$	0
$u = -0.59203 + 1.31115I$ $a = -0.021584 - 0.482843I$ $b = 0.440321 + 0.673105I$	$2.09582 + 1.45533I$	0
$u = -0.59203 - 1.31115I$ $a = -0.021584 + 0.482843I$ $b = 0.440321 - 0.673105I$	$2.09582 - 1.45533I$	0
$u = 0.30134 + 1.42505I$ $a = 0.013198 + 0.631788I$ $b = 0.442076 - 0.614277I$	$2.20909 - 0.33519I$	0
$u = 0.30134 - 1.42505I$ $a = 0.013198 - 0.631788I$ $b = 0.442076 + 0.614277I$	$2.20909 + 0.33519I$	0
$u = -1.44394 + 0.42259I$ $a = 0.0637499 + 0.0240536I$ $b = -1.152850 - 0.428505I$	$-6.52297 - 9.40235I$	0
$u = -1.44394 - 0.42259I$ $a = 0.0637499 - 0.0240536I$ $b = -1.152850 + 0.428505I$	$-6.52297 + 9.40235I$	0
$u = -0.76723 + 1.33457I$ $a = 0.124143 - 1.294850I$ $b = -1.32553 + 0.70779I$	$-3.4640 + 16.9486I$	0
$u = -0.76723 - 1.33457I$ $a = 0.124143 + 1.294850I$ $b = -1.32553 - 0.70779I$	$-3.4640 - 16.9486I$	0
$u = 0.85727 + 1.29795I$ $a = 0.154855 - 0.913546I$ $b = 1.074300 + 0.512049I$	$0.33774 - 4.80042I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = 0.85727 - 1.29795I$ $a = 0.154855 + 0.913546I$ $b = 1.074300 - 0.512049I$	$0.33774 + 4.80042I$	0
$u = -1.13250 + 1.08347I$ $a = 0.357811 + 0.825069I$ $b = 1.059500 - 0.561243I$	$0.29351 + 6.24678I$	0
$u = -1.13250 - 1.08347I$ $a = 0.357811 - 0.825069I$ $b = 1.059500 + 0.561243I$	$0.29351 - 6.24678I$	0
$u = 0.311983 + 0.229233I$ $a = 0.21073 + 3.18354I$ $b = -0.957483 - 0.269471I$	$-3.66318 - 0.26666I$	$-14.9328 + 0.9814I$
$u = 0.311983 - 0.229233I$ $a = 0.21073 - 3.18354I$ $b = -0.957483 + 0.269471I$	$-3.66318 + 0.26666I$	$-14.9328 - 0.9814I$
$u = -0.242211 + 0.227257I$ $a = -2.94710 - 4.83050I$ $b = 0.447980 + 0.630904I$	$-3.20065 - 6.05158I$	$-6.61264 + 3.93826I$
$u = -0.242211 - 0.227257I$ $a = -2.94710 + 4.83050I$ $b = 0.447980 - 0.630904I$	$-3.20065 + 6.05158I$	$-6.61264 - 3.93826I$
$u = 0.217813$ $a = 1.63753$ $b = -0.452023$	-0.718352	-14.2620
$u = 0.31645 + 1.94342I$ $a = 0.401083 + 0.176751I$ $b = -0.757995 + 0.007392I$	$3.44325 - 2.33828I$	0
$u = 0.31645 - 1.94342I$ $a = 0.401083 - 0.176751I$ $b = -0.757995 - 0.007392I$	$3.44325 + 2.33828I$	0

II. $I_2^u = \langle -6630u^{15} + 14537u^{14} + \cdots + 13613b - 33108,\ 5953u^{15} - 4661u^{14} + \cdots + 13613a + 59873,\ u^{16} - 3u^{15} + \cdots + u + 1 \rangle$

(i) Arc colorings

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

$$a_9 = \begin{pmatrix} 0 \\ u \end{pmatrix}$$

$$a_2 = \begin{pmatrix} -0.437303u^{15} + 0.342393u^{14} + \cdots - 5.84493u - 4.39822 \\ 0.487034u^{15} - 1.06788u^{14} + \cdots + 3.44362u + 2.43209 \end{pmatrix}$$

$$a_7 = \begin{pmatrix} 1 \\ u^2 \end{pmatrix}$$

$$a_3 = \begin{pmatrix} -1.56564u^{15} + 3.28245u^{14} + \cdots - 7.88173u - 5.86079 \\ 0.919195u^{15} - 1.81679u^{14} + \cdots + 5.01690u + 2.87703 \end{pmatrix}$$

$$a_{10} = \begin{pmatrix} -u \\ u \end{pmatrix}$$

$$a_5 = \begin{pmatrix} 3.20929u^{15} - 9.05451u^{14} + \cdots + 6.85624u + 3.49849 \\ -2.08095u^{15} + 6.11445u^{14} + \cdots - 4.81944u - 2.03592 \end{pmatrix}$$

$$a_1 = \begin{pmatrix} 2.36590u^{15} - 9.75869u^{14} + \cdots + 0.387130u - 0.295894 \\ -1.18784u^{15} + 5.09315u^{14} + \cdots - 1.75163u - 0.207669 \end{pmatrix}$$

$$a_4 = \begin{pmatrix} 2.77712u^{15} - 8.30559u^{14} + \cdots + 5.28296u + 3.05355 \\ -1.64879u^{15} + 5.36553u^{14} + \cdots - 3.24616u - 1.59098 \end{pmatrix}$$

$$a_{11} = \begin{pmatrix} -0.342761u^{15} + 0.588041u^{14} + \cdots - 7.16470u + 1.08565 \\ 0.783002u^{15} - 2.55528u^{14} + \cdots + 4.73628u - 1.42841 \end{pmatrix}$$

$$a_8 = \begin{pmatrix} -1.48182u^{15} + 5.50878u^{14} + \cdots + 0.746198u - 2.02233 \\ 0.481819u^{15} - 2.50878u^{14} + \cdots + 0.253802u + 1.02233 \end{pmatrix}$$

$$a_8 = \begin{pmatrix} -1.48182u^{15} + 5.50878u^{14} + \cdots + 0.746198u - 2.02233 \\ 0.481819u^{15} - 2.50878u^{14} + \cdots + 0.253802u + 1.02233 \end{pmatrix}$$

(ii) Obstruction class $= 1$

(iii) Cusp Shapes $= -\frac{126196}{13613}u^{15} + \frac{361017}{13613}u^{14} + \cdots - \frac{176076}{13613}u - \frac{182048}{13613}$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1	$u^{16}+4u^{15}+\cdots+4u+1$
c_2	$u^{16}+6u^{13}+\cdots-2u+1$
c_3	$u^{16}+6u^{15}+\cdots+12u+1$
c_4	$u^{16}-4u^{15}+\cdots+4u+1$
c_5	$u^{16}-4u^{15}+\cdots-4u+1$
c_6	$u^{16}-3u^{15}+\cdots+u+1$
c_7	$u^{16}-6u^{13}+\cdots+2u+1$
c_8	$u^{16}+3u^{15}+\cdots-u+1$
c_9	$u^{16}+3u^{15}+\cdots-u+1$
c_{10}	$u^{16}+4u^{15}+\cdots-4u+1$
c_{11}	$u^{16}-3u^{15}+\cdots+u+1$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1, c_5	$y^{16} - 8y^{15} + \cdots - 8y + 1$
c_2, c_7	$y^{16} - 36y^{14} + \cdots - 2y + 1$
c_3	$y^{16} - 2y^{15} + \cdots - 16y + 1$
c_4, c_{10}	$y^{16} - 40y^{14} + \cdots + 2y + 1$
c_6, c_9	$y^{16} + 13y^{15} + \cdots + 13y + 1$
c_8, c_{11}	$y^{16} + 5y^{15} + \cdots + 7y + 1$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_2^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u=-0.101294+0.981672I$ $a=\ \ 0.12047-2.74164I$ $b=-1.002360+0.178823I$	$-1.67108+0.41329I$	$-23.4089+3.7817I$
$u=-0.101294-0.981672I$ $a=\ \ 0.12047+2.74164I$ $b=-1.002360-0.178823I$	$-1.67108-0.41329I$	$-23.4089-3.7817I$
$u=\ \ 0.623315+0.892744I$ $a=-0.203916+0.768996I$ $b=-0.933085-0.164926I$	$-1.48457-2.42366I$	$-12.58854+4.41901I$
$u=\ \ 0.623315-0.892744I$ $a=-0.203916-0.768996I$ $b=-0.933085+0.164926I$	$-1.48457+2.42366I$	$-12.58854-4.41901I$
$u=-0.699739+0.517450I$ $a=\ \ 1.75573+1.74837I$ $b=\ \ 0.606505-0.489801I$	$-3.58696+6.81151I$	$-11.0601-13.1790I$
$u=-0.699739-0.517450I$ $a=\ \ 1.75573-1.74837I$ $b=\ \ 0.606505+0.489801I$	$-3.58696-6.81151I$	$-11.0601+13.1790I$
$u=\ \ 0.310572+1.172820I$ $a=-0.010870+1.004540I$ $b=\ \ 0.252552-1.034960I$	$4.17484-1.01269I$	$-2.56085+0.73282I$
$u=\ \ 0.310572-1.172820I$ $a=-0.010870-1.004540I$ $b=\ \ 0.252552+1.034960I$	$4.17484+1.01269I$	$-2.56085-0.73282I$
$u=\ \ 0.183037+0.692134I$ $a=\ \ 0.04599-2.88279I$ $b=-0.260836+1.037800I$	$2.13903-1.01254I$	$-1.87145+5.73964I$
$u=\ \ 0.183037-0.692134I$ $a=\ \ 0.04599+2.88279I$ $b=-0.260836-1.037800I$	$2.13903+1.01254I$	$-1.87145-5.73964I$

Solutions to I_2^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = 1.00338 + 1.15887I$ $a = 0.264250 - 0.814168I$ $b = 1.114260 + 0.514050I$	$1.36811 - 5.87068I$	$-3.73603 + 6.05900I$
$u = 1.00338 - 1.15887I$ $a = 0.264250 + 0.814168I$ $b = 1.114260 - 0.514050I$	$1.36811 + 5.87068I$	$-3.73603 - 6.05900I$
$u = -0.203694 + 0.378381I$ $a = -1.98850 - 0.07556I$ $b = 1.70034 + 0.18352I$	$-8.21157 + 3.18915I$	$-16.8553 - 0.1010I$
$u = -0.203694 - 0.378381I$ $a = -1.98850 + 0.07556I$ $b = 1.70034 - 0.18352I$	$-8.21157 - 3.18915I$	$-16.8553 + 0.1010I$
$u = 0.38442 + 1.82901I$ $a = 0.0168503 + 0.1111360I$ $b = 0.522619 - 0.189004I$	$3.98234 - 2.11939I$	$1.081156 + 0.586483I$
$u = 0.38442 - 1.82901I$ $a = 0.0168503 - 0.1111360I$ $b = 0.522619 + 0.189004I$	$3.98234 + 2.11939I$	$1.081156 - 0.586483I$

III. u-Polynomials

Crossings	u-Polynomials at each crossing
c_1	$(u^{16}+4u^{15}+\cdots+4u+1)(u^{80}+u^{79}+\cdots-6u-1)$
c_2	$(u^{16}+6u^{13}+\cdots-2u+1)(u^{80}-u^{79}+\cdots+3416u-3721)$
c_3	$(u^{16}+6u^{15}+\cdots+12u+1)(u^{80}-3u^{79}+\cdots+35212u-5777)$
c_4	$(u^{16}-4u^{15}+\cdots+4u+1)(u^{80}+5u^{79}+\cdots-306u-527)$
c_5	$(u^{16}-4u^{15}+\cdots-4u+1)(u^{80}+u^{79}+\cdots-6u-1)$
c_6	$(u^{16}-3u^{15}+\cdots+u+1)(u^{80}-4u^{79}+\cdots+27u+34)$
c_7	$(u^{16}-6u^{13}+\cdots+2u+1)(u^{80}-u^{79}+\cdots+3416u-3721)$
c_8	$(u^{16}+3u^{15}+\cdots-u+1)(u^{80}+2u^{79}+\cdots-181u+31)$
c_9	$(u^{16}+3u^{15}+\cdots-u+1)(u^{80}-4u^{79}+\cdots+27u+34)$
c_{10}	$(u^{16}+4u^{15}+\cdots-4u+1)(u^{80}+5u^{79}+\cdots-306u-527)$
c_{11}	$(u^{16}-3u^{15}+\cdots+u+1)(u^{80}+2u^{79}+\cdots-181u+31)$

IV. Riley Polynomials

Crossings	Riley Polynomials at each crossing
c_1, c_5	$(y^{16} - 8y^{15} + \cdots - 8y + 1)(y^{80} - 43y^{79} + \cdots - 4y + 1)$
c_2, c_7	$(y^{16} - 36y^{14} + \cdots - 2y + 1)$ $\cdot (y^{80} - 47y^{79} + \cdots - 72209726y + 13845841)$
c_3	$(y^{16} - 2y^{15} + \cdots - 16y + 1)$ $\cdot (y^{80} - 25y^{79} + \cdots - 1723258088y + 33373729)$
c_4, c_{10}	$(y^{16} - 40y^{14} + \cdots + 2y + 1)(y^{80} + 37y^{79} + \cdots + 5061478y + 277729)$
c_6, c_9	$(y^{16} + 13y^{15} + \cdots + 13y + 1)(y^{80} + 46y^{79} + \cdots - 6577y + 1156)$
c_8, c_{11}	$(y^{16} + 5y^{15} + \cdots + 7y + 1)(y^{80} + 46y^{79} + \cdots - 21229y + 961)$