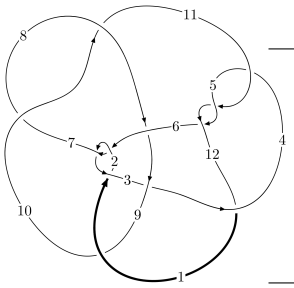
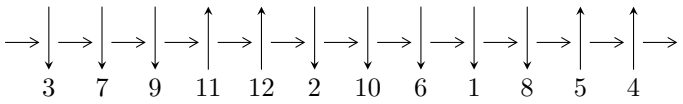
$12a_{0598}$ $(K12a_{0598})$



A knot diagram[1]

Linearized knot diagam



Solving Sequence

$$\underset{c_5}{6,12} \to \underset{c_8}{5,9} \to \underset{c_{11}}{8} \to \underset{c_4}{11} \to \underset{c_{12}}{4} \longrightarrow \underset{c_3}{1} \longrightarrow \underset{c_1}{3} \longrightarrow \underset{c_{10}}{2} \to \underset{c_7}{10} \to 7 \longrightarrow\!\!\!\!\to c_2, c_6, c_9$$

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

$$I_1^u = \langle -2.88484 \times 10^{108} u^{104} - 5.09336 \times 10^{110} u^{103} + \cdots + 8.35512 \times 10^{110} b - 2.14019 \times 10^{110},$$
$$6.52267 \times 10^{110} u^{104} + 1.42528 \times 10^{111} u^{103} + \cdots + 8.35512 \times 10^{110} a - 2.67566 \times 10^{111},\ u^{105} + 3u^{104} + \cdots +$$

* 1 irreducible components of $\dim_{\mathbb{C}} = 0$, with total 105 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. $\boldsymbol{I_1^u = \langle -2.88 \times 10^{108} u^{104} - 5.09 \times 10^{110} u^{103} + \cdots + 8.36 \times 10^{110} b - 2.14 \times 10^{110},\ 6.52 \times 10^{110} u^{104} + 1.43 \times 10^{111} u^{103} + \cdots + 8.36 \times 10^{110} a - 2.68 \times 10^{111},\ u^{105} + 3u^{104} + \cdots + 3u - 1 \rangle}$

(i) Arc colorings

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

$$a_{12} = \begin{pmatrix} 0 \\ u \end{pmatrix}$$

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

$$a_9 = \begin{pmatrix} -0.780679u^{104} - 1.70588u^{103} + \cdots - 4.20124u + 3.20242 \\ 0.00345278u^{104} + 0.609609u^{103} + \cdots + 0.427791u + 0.256153 \end{pmatrix}$$

$$a_8 = \begin{pmatrix} -0.777226u^{104} - 1.09627u^{103} + \cdots - 3.77344u + 3.45857 \\ 0.00345278u^{104} + 0.609609u^{103} + \cdots + 0.427791u + 0.256153 \end{pmatrix}$$

$$a_{11} = \begin{pmatrix} -u \\ -u^3 + u \end{pmatrix}$$

$$a_4 = \begin{pmatrix} -u^2 + 1 \\ -u^4 + 2u^2 \end{pmatrix}$$

$$a_1 = \begin{pmatrix} u^5 - 2u^3 + u \\ u^7 - 3u^5 + 2u^3 + u \end{pmatrix}$$

$$a_3 = \begin{pmatrix} 0.00955622u^{104} - 0.543671u^{103} + \cdots + 1.65157u - 0.986304 \\ 0.0176604u^{104} + 0.542716u^{103} + \cdots - 0.341063u - 0.0571853 \end{pmatrix}$$

$$a_2 = \begin{pmatrix} 0.455592u^{104} + 1.26266u^{103} + \cdots - 2.33857u + 0.208499 \\ -0.376670u^{104} - 1.24789u^{103} + \cdots + 2.98305u - 0.410701 \end{pmatrix}$$

$$a_{10} = \begin{pmatrix} -0.591260u^{104} - 0.829214u^{103} + \cdots - 5.61982u + 3.23227 \\ 0.261471u^{104} + 1.08908u^{103} + \cdots + 1.38898u + 0.232872 \end{pmatrix}$$

$$a_7 = \begin{pmatrix} -0.362637u^{104} - 0.610684u^{103} + \cdots + 3.25250u + 0.271811 \\ -0.447610u^{104} - 0.767496u^{103} + \cdots - 1.00923u + 0.0171223 \end{pmatrix}$$

(ii) Obstruction class $= -1$

(iii) Cusp Shapes $= -7.93747u^{104} - 23.0087u^{103} + \cdots + 20.0215u - 13.3715$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1	$u^{105} + 45u^{104} + \cdots + 13u + 1$
c_2, c_6	$u^{105} - 3u^{104} + \cdots + u + 1$
c_3	$u^{105} - u^{104} + \cdots - 23u + 1$
c_4, c_5, c_{11}	$u^{105} - 3u^{104} + \cdots + 3u + 1$
c_7, c_{10}	$u^{105} - u^{104} + \cdots - u + 1$
c_8	$u^{105} - 3u^{104} + \cdots - 119583u + 5771$
c_9	$u^{105} + 47u^{104} + \cdots + 6197u + 361$
c_{12}	$u^{105} + 9u^{104} + \cdots + 4875u + 725$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1	$y^{105} + 31y^{104} + \cdots + 29y - 1$
c_2, c_6	$y^{105} - 45y^{104} + \cdots + 13y - 1$
c_3	$y^{105} + 3y^{104} + \cdots + 65y - 1$
c_4, c_5, c_{11}	$y^{105} - 89y^{104} + \cdots + 13y - 1$
c_7, c_{10}	$y^{105} - 69y^{104} + \cdots - 303y - 1$
c_8	$y^{105} + 603y^{104} + \cdots - 4958310211y - 33304441$
c_9	$y^{105} - 601y^{104} + \cdots + 13093821y - 130321$
c_{12}	$y^{105} + 43y^{104} + \cdots + 17234825y - 525625$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = 0.835184 + 0.520025I$ $a = 0.360506 - 0.068147I$ $b = -0.829850 + 0.345460I$	$-2.42444 + 8.41666I$	0
$u = 0.835184 - 0.520025I$ $a = 0.360506 + 0.068147I$ $b = -0.829850 - 0.345460I$	$-2.42444 - 8.41666I$	0
$u = -0.746918 + 0.607750I$ $a = -0.0897859 - 0.0066868I$ $b = 0.511139 + 0.226833I$	$0.21664 - 2.52485I$	0
$u = -0.746918 - 0.607750I$ $a = -0.0897859 + 0.0066868I$ $b = 0.511139 - 0.226833I$	$0.21664 + 2.52485I$	0
$u = 0.968336 + 0.444170I$ $a = 0.292688 + 1.045270I$ $b = -1.28872 - 0.80671I$	$-3.01132 - 9.72877I$	0
$u = 0.968336 - 0.444170I$ $a = 0.292688 - 1.045270I$ $b = -1.28872 + 0.80671I$	$-3.01132 + 9.72877I$	0
$u = -0.148343 + 0.916907I$ $a = -0.703771 - 0.605834I$ $b = 0.468690 + 0.795685I$	$-1.84431 - 3.57958I$	0
$u = -0.148343 - 0.916907I$ $a = -0.703771 + 0.605834I$ $b = 0.468690 - 0.795685I$	$-1.84431 + 3.57958I$	0
$u = 0.344765 + 0.860619I$ $a = 0.345825 + 0.509616I$ $b = -0.561964 + 0.031104I$	$-4.04123 - 3.56458I$	0
$u = 0.344765 - 0.860619I$ $a = 0.345825 - 0.509616I$ $b = -0.561964 - 0.031104I$	$-4.04123 + 3.56458I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u=-0.988248+0.449527I$ $a=-0.165508+0.933742I$ $b=\ \ 1.128390-0.776285I$	$-0.78839+3.94193I$	0
$u=-0.988248-0.449527I$ $a=-0.165508-0.933742I$ $b=\ \ 1.128390+0.776285I$	$-0.78839-3.94193I$	0
$u=\ \ 0.968154+0.501536I$ $a=\ \ 0.326075+0.599872I$ $b=-1.091240-0.399010I$	$-7.13633-0.95829I$	0
$u=\ \ 0.968154-0.501536I$ $a=\ \ 0.326075-0.599872I$ $b=-1.091240+0.399010I$	$-7.13633+0.95829I$	0
$u=\ \ 1.116150+0.109673I$ $a=-1.11913-0.94024I$ $b=\ \ 0.292739+0.554032I$	$1.62943-4.65679I$	0
$u=\ \ 1.116150-0.109673I$ $a=-1.11913+0.94024I$ $b=\ \ 0.292739-0.554032I$	$1.62943+4.65679I$	0
$u=\ \ 0.222756+0.849694I$ $a=\ \ 1.70609-0.03313I$ $b=-1.181070+0.684267I$	$-9.44311+5.72371I$	0
$u=\ \ 0.222756-0.849694I$ $a=\ \ 1.70609+0.03313I$ $b=-1.181070-0.684267I$	$-9.44311-5.72371I$	0
$u=-0.209090+0.831888I$ $a=-2.05677-0.51541I$ $b=\ \ 1.26739+1.03687I$	$-3.19164-8.52606I$	0
$u=-0.209090-0.831888I$ $a=-2.05677+0.51541I$ $b=\ \ 1.26739-1.03687I$	$-3.19164+8.52606I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = 0.215836 + 0.826794I$ $a = 2.31098 - 0.41965I$ $b = -1.43199 + 1.04167I$	$-5.3447 + 14.2818I$	0
$u = 0.215836 - 0.826794I$ $a = 2.31098 + 0.41965I$ $b = -1.43199 - 1.04167I$	$-5.3447 - 14.2818I$	0
$u = -1.199490 + 0.084134I$ $a = 1.012850 - 0.779084I$ $b = -0.0268957 + 0.0957309I$	$3.03034 + 0.03937I$	0
$u = -1.199490 - 0.084134I$ $a = 1.012850 + 0.779084I$ $b = -0.0268957 - 0.0957309I$	$3.03034 - 0.03937I$	0
$u = 1.192380 + 0.197269I$ $a = -1.32061 - 0.70014I$ $b = 0.970216 + 0.130709I$	$-0.625381 + 1.141580I$	0
$u = 1.192380 - 0.197269I$ $a = -1.32061 + 0.70014I$ $b = 0.970216 - 0.130709I$	$-0.625381 - 1.141580I$	0
$u = -1.216840 + 0.260512I$ $a = 1.290360 - 0.063225I$ $b = -1.187130 + 0.224619I$	$-2.21717 + 1.68335I$	0
$u = -1.216840 - 0.260512I$ $a = 1.290360 + 0.063225I$ $b = -1.187130 - 0.224619I$	$-2.21717 - 1.68335I$	0
$u = 0.174068 + 0.720095I$ $a = -2.36969 + 0.62007I$ $b = 0.768527 - 0.706573I$	$-0.86914 + 8.02608I$	$-6.61004 - 8.90556I$
$u = 0.174068 - 0.720095I$ $a = -2.36969 - 0.62007I$ $b = 0.768527 + 0.706573I$	$-0.86914 - 8.02608I$	$-6.61004 + 8.90556I$

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = 1.243810 + 0.242530I$ $a = -0.697347 - 0.382319I$ $b = 1.333690 + 0.464789I$	$-0.14479 + 1.90230I$	0
$u = 1.243810 - 0.242530I$ $a = -0.697347 + 0.382319I$ $b = 1.333690 - 0.464789I$	$-0.14479 - 1.90230I$	0
$u = -0.188704 + 0.703575I$ $a = 1.98396 + 0.53674I$ $b = -0.614347 - 0.569283I$	$0.65316 - 3.05675I$	$-3.14752 + 3.85942I$
$u = -0.188704 - 0.703575I$ $a = 1.98396 - 0.53674I$ $b = -0.614347 + 0.569283I$	$0.65316 + 3.05675I$	$-3.14752 - 3.85942I$
$u = -1.247660 + 0.276327I$ $a = 0.708973 + 0.575189I$ $b = -0.792583 + 0.299699I$	$-2.76146 - 4.65754I$	0
$u = -1.247660 - 0.276327I$ $a = 0.708973 - 0.575189I$ $b = -0.792583 - 0.299699I$	$-2.76146 + 4.65754I$	0
$u = -0.064599 + 0.718534I$ $a = 2.19264 - 0.94433I$ $b = -0.999918 - 0.304231I$	$-5.70573 - 5.23809I$	$-13.0177 + 7.3510I$
$u = -0.064599 - 0.718534I$ $a = 2.19264 + 0.94433I$ $b = -0.999918 + 0.304231I$	$-5.70573 + 5.23809I$	$-13.0177 - 7.3510I$
$u = -0.025247 + 0.714909I$ $a = 0.979468 - 1.000930I$ $b = -0.464191 - 0.337560I$	$-6.51755 + 1.07168I$	$-15.0012 - 1.4774I$
$u = -0.025247 - 0.714909I$ $a = 0.979468 + 1.000930I$ $b = -0.464191 + 0.337560I$	$-6.51755 - 1.07168I$	$-15.0012 + 1.4774I$

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = 1.280720 + 0.160056I$ $a = -1.91585 + 0.43839I$ $b = -0.25113 - 1.97638I$	$2.19634 + 4.89955I$	0
$u = 1.280720 - 0.160056I$ $a = -1.91585 - 0.43839I$ $b = -0.25113 + 1.97638I$	$2.19634 - 4.89955I$	0
$u = -1.284100 + 0.142479I$ $a = 0.936347 - 0.126373I$ $b = 0.151272 - 0.793687I$	$3.05697 - 0.67088I$	0
$u = -1.284100 - 0.142479I$ $a = 0.936347 + 0.126373I$ $b = 0.151272 + 0.793687I$	$3.05697 + 0.67088I$	0
$u = 0.124439 + 0.686536I$ $a = -2.42949 - 0.26927I$ $b = 1.068160 - 0.363696I$	$-3.72572 + 2.08696I$	$-11.68404 - 4.11975I$
$u = 0.124439 - 0.686536I$ $a = -2.42949 + 0.26927I$ $b = 1.068160 + 0.363696I$	$-3.72572 - 2.08696I$	$-11.68404 + 4.11975I$
$u = 0.059230 + 0.685011I$ $a = -2.07970 - 0.22376I$ $b = 1.043660 - 0.624783I$	$-3.74935 + 1.43161I$	$-8.78007 - 1.80708I$
$u = 0.059230 - 0.685011I$ $a = -2.07970 + 0.22376I$ $b = 1.043660 + 0.624783I$	$-3.74935 - 1.43161I$	$-8.78007 + 1.80708I$
$u = 1.282390 + 0.288191I$ $a = 0.246542 + 1.355230I$ $b = -0.159362 + 0.450798I$	$-2.45187 + 2.55549I$	0
$u = 1.282390 - 0.288191I$ $a = 0.246542 - 1.355230I$ $b = -0.159362 - 0.450798I$	$-2.45187 - 2.55549I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = 1.307120 + 0.221613I$ $a = 14.9638 + 2.8384I$ $b = -6.5950 + 19.3509I$	$1.38267 + 0.81012I$	0
$u = 1.307120 - 0.221613I$ $a = 14.9638 - 2.8384I$ $b = -6.5950 - 19.3509I$	$1.38267 - 0.81012I$	0
$u = -1.322190 + 0.180225I$ $a = 0.484520 + 0.288492I$ $b = 0.513117 - 0.734299I$	$3.02345 - 0.73209I$	0
$u = -1.322190 - 0.180225I$ $a = 0.484520 - 0.288492I$ $b = 0.513117 + 0.734299I$	$3.02345 + 0.73209I$	0
$u = -1.307090 + 0.279876I$ $a = -0.91965 + 1.40946I$ $b = 0.835275 + 0.807534I$	$0.53283 - 4.93427I$	0
$u = -1.307090 - 0.279876I$ $a = -0.91965 - 1.40946I$ $b = 0.835275 - 0.807534I$	$0.53283 + 4.93427I$	0
$u = 1.305150 + 0.296875I$ $a = 0.82634 + 1.73784I$ $b = -0.819605 + 0.406710I$	$-1.42154 + 8.91528I$	0
$u = 1.305150 - 0.296875I$ $a = 0.82634 - 1.73784I$ $b = -0.819605 - 0.406710I$	$-1.42154 - 8.91528I$	0
$u = -1.317280 + 0.243026I$ $a = -1.87149 + 2.53415I$ $b = 3.21287 + 2.05643I$	$1.68720 - 5.00295I$	0
$u = -1.317280 - 0.243026I$ $a = -1.87149 - 2.53415I$ $b = 3.21287 - 2.05643I$	$1.68720 + 5.00295I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u=-0.627395+0.186667I$ $a=\ \ 0.559848-0.394352I$ $b=-0.165072+0.762467I$	$2.62216-0.25104I$	$2.09657+1.88540I$
$u=-0.627395-0.186667I$ $a=\ \ 0.559848+0.394352I$ $b=-0.165072-0.762467I$	$2.62216+0.25104I$	$2.09657-1.88540I$
$u=\ \ 0.645443+0.056887I$ $a=-0.881994-0.365556I$ $b=\ \ 0.380798+0.911069I$	$1.42997-4.72445I$	$-0.79602+4.87256I$
$u=\ \ 0.645443-0.056887I$ $a=-0.881994+0.365556I$ $b=\ \ 0.380798-0.911069I$	$1.42997+4.72445I$	$-0.79602-4.87256I$
$u=\ \ 0.073319+0.633206I$ $a=-0.50166-1.92461I$ $b=\ \ 0.404234+1.091190I$	$-1.20660-2.20475I$	$-6.51094+1.95613I$
$u=\ \ 0.073319-0.633206I$ $a=-0.50166+1.92461I$ $b=\ \ 0.404234-1.091190I$	$-1.20660+2.20475I$	$-6.51094-1.95613I$
$u=-0.228583+0.589038I$ $a=\ \ 0.963508-0.155080I$ $b=-0.304870+0.051156I$	$-0.05987-1.41751I$	$-0.79609+4.17596I$
$u=-0.228583-0.589038I$ $a=\ \ 0.963508+0.155080I$ $b=-0.304870-0.051156I$	$-0.05987+1.41751I$	$-0.79609-4.17596I$
$u=-1.342080+0.282456I$ $a=-1.15220+1.18524I$ $b=\ \ 1.125300+0.539725I$	$0.90242-5.61216I$	0
$u=-1.342080-0.282456I$ $a=-1.15220-1.18524I$ $b=\ \ 1.125300-0.539725I$	$0.90242+5.61216I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u=-1.362960+0.299930I$ $a=-1.65438+0.70144I$ $b=\ \ 0.941583+0.796227I$	$3.98792-11.73540I$	0
$u=-1.362960-0.299930I$ $a=-1.65438-0.70144I$ $b=\ \ 0.941583-0.796227I$	$3.98792+11.73540I$	0
$u=-1.396400+0.031652I$ $a=-0.081863-0.742104I$ $b=\ \ 0.521230-1.219980I$	$7.54219+4.35004I$	0
$u=-1.396400-0.031652I$ $a=-0.081863+0.742104I$ $b=\ \ 0.521230+1.219980I$	$7.54219-4.35004I$	0
$u=\ \ 1.368000+0.292512I$ $a=\ \ 1.42774+0.56726I$ $b=-0.824571+0.694299I$	$5.57568+6.68804I$	0
$u=\ \ 1.368000-0.292512I$ $a=\ \ 1.42774-0.56726I$ $b=-0.824571-0.694299I$	$5.57568-6.68804I$	0
$u=\ \ 1.382570+0.259777I$ $a=\ \ 0.700195+0.360891I$ $b=-0.596425+0.200992I$	$5.06235+4.61386I$	0
$u=\ \ 1.382570-0.259777I$ $a=\ \ 0.700195-0.360891I$ $b=-0.596425-0.200992I$	$5.06235-4.61386I$	0
$u=\ \ 1.410960+0.044569I$ $a=\ \ 0.138486-0.611363I$ $b=-0.277739-1.192300I$	$8.87302+0.97005I$	0
$u=\ \ 1.410960-0.044569I$ $a=\ \ 0.138486+0.611363I$ $b=-0.277739+1.192300I$	$8.87302-0.97005I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = 0.062381 + 0.572402I$ $a = -7.35463 - 3.71461I$ $b = 4.35720 + 1.32650I$	$-2.67647 + 1.95883I$	$-34.9750 - 16.4884I$
$u = 0.062381 - 0.572402I$ $a = -7.35463 + 3.71461I$ $b = 4.35720 - 1.32650I$	$-2.67647 - 1.95883I$	$-34.9750 + 16.4884I$
$u = 1.37588 + 0.37618I$ $a = -0.977282 - 0.375034I$ $b = 0.577111 - 1.088540I$	$2.98433 + 8.15931I$	0
$u = 1.37588 - 0.37618I$ $a = -0.977282 + 0.375034I$ $b = 0.577111 + 1.088540I$	$2.98433 - 8.15931I$	0
$u = -1.35139 + 0.45843I$ $a = 0.535397 - 0.020160I$ $b = -0.087891 - 0.759036I$	$1.82692 - 1.70057I$	0
$u = -1.35139 - 0.45843I$ $a = 0.535397 + 0.020160I$ $b = -0.087891 + 0.759036I$	$1.82692 + 1.70057I$	0
$u = 1.39291 + 0.34836I$ $a = -1.34684 - 0.95917I$ $b = 1.28758 - 1.23528I$	$1.88242 + 12.78090I$	0
$u = 1.39291 - 0.34836I$ $a = -1.34684 + 0.95917I$ $b = 1.28758 + 1.23528I$	$1.88242 - 12.78090I$	0
$u = -1.39567 + 0.34536I$ $a = 1.40205 - 1.11216I$ $b = -1.45944 - 1.22615I$	$-0.2378 - 18.5105I$	0
$u = -1.39567 - 0.34536I$ $a = 1.40205 + 1.11216I$ $b = -1.45944 + 1.22615I$	$-0.2378 + 18.5105I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u=-1.40033+0.35615I$ $a=\ \ 0.989256-0.979951I$ $b=-1.16632-0.88268I$	$-4.30287-10.06720I$	0
$u=-1.40033-0.35615I$ $a=\ \ 0.989256+0.979951I$ $b=-1.16632+0.88268I$	$-4.30287+10.06720I$	0
$u=\ \ 1.46723+0.05906I$ $a=\ \ 0.308718-0.332777I$ $b=\ \ 0.375517-0.954523I$	$7.54231+4.16958I$	0
$u=\ \ 1.46723-0.05906I$ $a=\ \ 0.308718+0.332777I$ $b=\ \ 0.375517+0.954523I$	$7.54231-4.16958I$	0
$u=-1.48071+0.04467I$ $a=-0.388108-0.290070I$ $b=-0.645679-0.954511I$	$5.22152-9.69735I$	0
$u=-1.48071-0.04467I$ $a=-0.388108+0.290070I$ $b=-0.645679+0.954511I$	$5.22152+9.69735I$	0
$u=-1.53736+0.19627I$ $a=-0.191091-0.176358I$ $b=-0.183673-0.239316I$	$2.37909-0.66156I$	0
$u=-1.53736-0.19627I$ $a=-0.191091+0.176358I$ $b=-0.183673+0.239316I$	$2.37909+0.66156I$	0
$u=-0.301039+0.221101I$ $a=\ \ 0.67534-3.04513I$ $b=-1.43869+0.29683I$	$-2.21959-3.56667I$	$-4.12086+5.07705I$
$u=-0.301039-0.221101I$ $a=\ \ 0.67534+3.04513I$ $b=-1.43869-0.29683I$	$-2.21959+3.56667I$	$-4.12086-5.07705I$

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = 0.358709 + 0.083611I$ $a = -0.138357 - 1.105560I$ $b = 0.983350 - 0.152205I$	$-1.191440 - 0.128880I$	$-4.12618 - 0.27432I$
$u = 0.358709 - 0.083611I$ $a = -0.138357 + 1.105560I$ $b = 0.983350 + 0.152205I$	$-1.191440 + 0.128880I$	$-4.12618 + 0.27432I$
$u = -0.125009 + 0.320483I$ $a = 0.54385 - 5.72141I$ $b = -0.98049 + 1.47982I$	$-2.74673 + 1.70679I$	$2.25344 - 2.71408I$
$u = -0.125009 - 0.320483I$ $a = 0.54385 + 5.72141I$ $b = -0.98049 - 1.47982I$	$-2.74673 - 1.70679I$	$2.25344 + 2.71408I$
$u = 0.273678$ $a = 1.38975$ $b = 0.813615$	-1.17395	-7.50700

II. u-Polynomials

Crossings	u-Polynomials at each crossing
c_1	$u^{105} + 45u^{104} + \cdots + 13u + 1$
c_2, c_6	$u^{105} - 3u^{104} + \cdots + u + 1$
c_3	$u^{105} - u^{104} + \cdots - 23u + 1$
c_4, c_5, c_{11}	$u^{105} - 3u^{104} + \cdots + 3u + 1$
c_7, c_{10}	$u^{105} - u^{104} + \cdots - u + 1$
c_8	$u^{105} - 3u^{104} + \cdots - 119583u + 5771$
c_9	$u^{105} + 47u^{104} + \cdots + 6197u + 361$
c_{12}	$u^{105} + 9u^{104} + \cdots + 4875u + 725$

III. Riley Polynomials

Crossings	Riley Polynomials at each crossing
c_1	$y^{105} + 31y^{104} + \cdots + 29y - 1$
c_2, c_6	$y^{105} - 45y^{104} + \cdots + 13y - 1$
c_3	$y^{105} + 3y^{104} + \cdots + 65y - 1$
c_4, c_5, c_{11}	$y^{105} - 89y^{104} + \cdots + 13y - 1$
c_7, c_{10}	$y^{105} - 69y^{104} + \cdots - 303y - 1$
c_8	$y^{105} + 603y^{104} + \cdots - 4958310211y - 33304441$
c_9	$y^{105} - 601y^{104} + \cdots + 13093821y - 130321$
c_{12}	$y^{105} + 43y^{104} + \cdots + 17234825y - 525625$