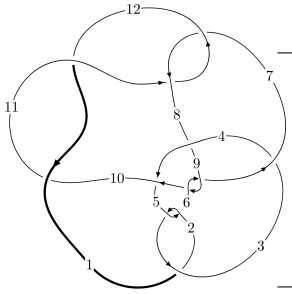
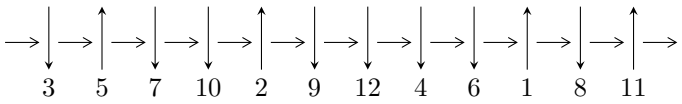
$12a_{0073}$ $(K12a_{0073})$



A knot diagram[1]

Linearized knot diagam



Solving Sequence

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

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

$$\begin{aligned} I_1^u = \langle & 7.66892 \times 10^{214} u^{104} - 5.54270 \times 10^{214} u^{103} + \cdots + 8.78552 \times 10^{214} b - 2.62937 \times 10^{214}, \\ & - 7.70789 \times 10^{214} u^{104} - 9.86900 \times 10^{214} u^{103} + \cdots + 8.78552 \times 10^{214} a - 3.93480 \times 10^{215}, \\ & u^{105} + u^{104} + \cdots + 3u + 1 \rangle \end{aligned}$$

* 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. $\boldsymbol{I_1^u = \langle 7.67 \times 10^{214} u^{104} - 5.54 \times 10^{214} u^{103} + \cdots + 8.79 \times 10^{214} b - 2.63 \times 10^{214},\ -7.71 \times 10^{214} u^{104} - 9.87 \times 10^{214} u^{103} + \cdots + 8.79 \times 10^{214} a - 3.93 \times 10^{215},\ u^{105} + u^{104} + \cdots + 3u + 1 \rangle}$

(i) Arc colorings

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

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

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

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

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

$$a_{10} = \begin{pmatrix} 0.877340u^{104} + 1.12333u^{103} + \cdots - 4.89904u + 4.47874 \\ -0.872905u^{104} + 0.630891u^{103} + \cdots - 2.07805u + 0.299284 \end{pmatrix}$$

$$a_{11} = \begin{pmatrix} -0.214388u^{104} + 1.49205u^{103} + \cdots - 4.86698u + 4.98395 \\ -0.608798u^{104} + 0.442648u^{103} + \cdots - 2.47648u + 0.150688 \end{pmatrix}$$

$$a_4 = \begin{pmatrix} -2.51175u^{104} - 2.39463u^{103} + \cdots + 10.4331u + 4.89572 \\ -0.0579607u^{104} - 0.975123u^{103} + \cdots - 3.10564u - 0.356969 \end{pmatrix}$$

$$a_9 = \begin{pmatrix} 0.00443566u^{104} + 1.75422u^{103} + \cdots - 6.97708u + 4.77802 \\ -0.872905u^{104} + 0.630891u^{103} + \cdots - 2.07805u + 0.299284 \end{pmatrix}$$

$$a_7 = \begin{pmatrix} -2.21119u^{104} - 1.97819u^{103} + \cdots - 8.95378u - 4.10035 \\ 0.647194u^{104} - 1.16684u^{103} + \cdots - 0.177061u - 1.69006 \end{pmatrix}$$

$$a_8 = \begin{pmatrix} 0.0758079u^{104} + 1.33160u^{103} + \cdots - 5.78845u + 6.83418 \\ -1.04456u^{104} + 0.913641u^{103} + \cdots - 3.12835u + 0.562654 \end{pmatrix}$$

$$a_{12} = \begin{pmatrix} -2.58052u^{104} - 1.81430u^{103} + \cdots - 14.5209u - 2.88953 \\ 0.434434u^{104} - 0.542417u^{103} + \cdots - 0.463397u - 1.49524 \end{pmatrix}$$

(ii) Obstruction class $= -1$

(iii) Cusp Shapes $= 1.26566u^{104} - 6.31791u^{103} + \cdots + 10.2404u - 6.23126$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1	$u^{105} + 43u^{104} + \cdots - 7u - 1$
c_2, c_5	$u^{105} + u^{104} + \cdots + 3u + 1$
c_3	$u^{105} - 27u^{104} + \cdots - 9u + 1$
c_4	$u^{105} - 15u^{104} + \cdots + 15789u + 52699$
c_6, c_9	$u^{105} - 5u^{104} + \cdots - 3u + 1$
c_7, c_{11}	$u^{105} + 5u^{104} + \cdots - u + 1$
c_8	$u^{105} - u^{104} + \cdots - 11u + 1$
c_{10}, c_{12}	$u^{105} - 31u^{104} + \cdots + 5u + 1$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1	$y^{105} + 39y^{104} + \cdots - 579y - 1$
c_2, c_5	$y^{105} + 43y^{104} + \cdots - 7y - 1$
c_3	$y^{105} + 95y^{104} + \cdots - 295y - 1$
c_4	$y^{105} - 17y^{104} + \cdots + 26937541693y - 2777184601$
c_6, c_9	$y^{105} + 75y^{104} + \cdots + 5y - 1$
c_7, c_{11}	$y^{105} + 31y^{104} + \cdots + 5y - 1$
c_8	$y^{105} - 5y^{104} + \cdots + 33y - 1$
c_{10}, c_{12}	$y^{105} + 87y^{104} + \cdots - 251y - 1$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = 0.508255 + 0.862936I$ $a = 7.42480 + 9.85920I$ $b = -0.027672 - 0.963307I$	$-1.35091 + 4.86008I$	0
$u = 0.508255 - 0.862936I$ $a = 7.42480 - 9.85920I$ $b = -0.027672 + 0.963307I$	$-1.35091 - 4.86008I$	0
$u = -0.726437 + 0.681228I$ $a = 0.302847 - 0.123414I$ $b = 0.41559 - 1.45271I$	$7.14004 - 0.17018I$	0
$u = -0.726437 - 0.681228I$ $a = 0.302847 + 0.123414I$ $b = 0.41559 + 1.45271I$	$7.14004 + 0.17018I$	0
$u = 0.670011 + 0.735882I$ $a = -0.398917 + 1.060470I$ $b = 0.218711 - 0.343183I$	$-1.53322 + 5.27277I$	0
$u = 0.670011 - 0.735882I$ $a = -0.398917 - 1.060470I$ $b = 0.218711 + 0.343183I$	$-1.53322 - 5.27277I$	0
$u = 0.498514 + 0.873517I$ $a = -13.15460 + 0.69616I$ $b = 0.039933 + 1.006260I$	$-1.39472 - 0.77663I$	0
$u = 0.498514 - 0.873517I$ $a = -13.15460 - 0.69616I$ $b = 0.039933 - 1.006260I$	$-1.39472 + 0.77663I$	0
$u = 0.416633 + 0.881483I$ $a = -0.697391 - 0.189517I$ $b = 0.218983 + 0.169046I$	$-0.33676 + 1.74914I$	0
$u = 0.416633 - 0.881483I$ $a = -0.697391 + 0.189517I$ $b = 0.218983 - 0.169046I$	$-0.33676 - 1.74914I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u=-0.421508+0.941394I$ $a=\ \ 0.113393-1.188910I$ $b=-0.88553+1.17946I$	$-2.90888-0.14378I$	0
$u=-0.421508-0.941394I$ $a=\ \ 0.113393+1.188910I$ $b=-0.88553-1.17946I$	$-2.90888+0.14378I$	0
$u=-0.000183+1.041080I$ $a=\ \ 0.655071-1.227110I$ $b=-0.461490+0.982731I$	$-1.37985+2.60061I$	0
$u=-0.000183-1.041080I$ $a=\ \ 0.655071+1.227110I$ $b=-0.461490-0.982731I$	$-1.37985-2.60061I$	0
$u=-0.462542+0.937742I$ $a=\ \ 2.01181-0.08750I$ $b=-0.38997-1.69307I$	$-2.72043-5.15393I$	0
$u=-0.462542-0.937742I$ $a=\ \ 2.01181+0.08750I$ $b=-0.38997+1.69307I$	$-2.72043+5.15393I$	0
$u=-0.944508+0.449202I$ $a=\ \ 0.227674+0.414665I$ $b=-0.43011+1.35679I$	$0.58537+6.60149I$	0
$u=-0.944508-0.449202I$ $a=\ \ 0.227674-0.414665I$ $b=-0.43011-1.35679I$	$0.58537-6.60149I$	0
$u=\ \ 0.673932+0.800679I$ $a=\ \ 0.449328-0.906610I$ $b=-0.236551+0.292446I$	$-1.68329-0.14385I$	0
$u=\ \ 0.673932-0.800679I$ $a=\ \ 0.449328+0.906610I$ $b=-0.236551-0.292446I$	$-1.68329+0.14385I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u=-0.420652+0.958376I$ $a=\ \ 1.60412-0.80365I$ $b=-1.169270-0.420460I$	$-2.94183-2.82687I$	0
$u=-0.420652-0.958376I$ $a=\ \ 1.60412+0.80365I$ $b=-1.169270+0.420460I$	$-2.94183+2.82687I$	0
$u=-0.406993+0.861247I$ $a=-1.79250+0.05635I$ $b=\ \ 0.11232+1.69617I$	$-2.32293+1.64088I$	0
$u=-0.406993-0.861247I$ $a=-1.79250-0.05635I$ $b=\ \ 0.11232-1.69617I$	$-2.32293-1.64088I$	0
$u=-0.883123+0.572875I$ $a=-0.048849-0.279960I$ $b=\ \ 0.42862-1.38709I$	$7.89421+6.86350I$	0
$u=-0.883123-0.572875I$ $a=-0.048849+0.279960I$ $b=\ \ 0.42862+1.38709I$	$7.89421-6.86350I$	0
$u=\ \ 0.604807+0.709411I$ $a=-0.06549+1.57847I$ $b=-0.034649+1.142580I$	$3.17185+1.49000I$	0
$u=\ \ 0.604807-0.709411I$ $a=-0.06549-1.57847I$ $b=-0.034649-1.142580I$	$3.17185-1.49000I$	0
$u=-0.758524+0.535990I$ $a=-0.154021+0.433594I$ $b=-0.39001+1.39514I$	$3.99639+3.72302I$	0
$u=-0.758524-0.535990I$ $a=-0.154021-0.433594I$ $b=-0.39001-1.39514I$	$3.99639-3.72302I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u=-0.524210+0.945636I$ $a=\ \ 0.190673+0.999026I$ $b=\ \ 0.80345-1.44636I$	$-1.36172-6.40994I$	0
$u=-0.524210-0.945636I$ $a=\ \ 0.190673-0.999026I$ $b=\ \ 0.80345+1.44636I$	$-1.36172+6.40994I$	0
$u=-0.978052+0.472820I$ $a=-0.250397-0.357539I$ $b=\ \ 0.43741-1.35953I$	$1.51311+12.62850I$	0
$u=-0.978052-0.472820I$ $a=-0.250397+0.357539I$ $b=\ \ 0.43741+1.35953I$	$1.51311-12.62850I$	0
$u=-0.786078+0.399159I$ $a=-0.422992+0.480443I$ $b=\ \ 0.929515-0.138087I$	$-3.14157+7.73150I$	0
$u=-0.786078-0.399159I$ $a=-0.422992-0.480443I$ $b=\ \ 0.929515+0.138087I$	$-3.14157-7.73150I$	0
$u=\ \ 0.101092+0.874217I$ $a=-1.52874-0.02687I$ $b=\ \ 0.509118+0.386326I$	$-1.22927+1.94221I$	0
$u=\ \ 0.101092-0.874217I$ $a=-1.52874+0.02687I$ $b=\ \ 0.509118-0.386326I$	$-1.22927-1.94221I$	0
$u=\ \ 0.572492+0.963051I$ $a=\ \ 0.618677-0.447757I$ $b=-0.289709+0.100685I$	$1.38092+3.06411I$	0
$u=\ \ 0.572492-0.963051I$ $a=\ \ 0.618677+0.447757I$ $b=-0.289709-0.100685I$	$1.38092-3.06411I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u=-0.577256+0.970351I$ $a=-1.24254+0.92560I$ $b=\ \ 1.265650+0.082613I$	$1.68086-6.53955I$	0
$u=-0.577256-0.970351I$ $a=-1.24254-0.92560I$ $b=\ \ 1.265650-0.082613I$	$1.68086+6.53955I$	0
$u=\ \ 1.133270+0.094508I$ $a=-0.0108772-0.1312870I$ $b=\ \ 0.008558-1.226130I$	$3.44061-2.55226I$	0
$u=\ \ 1.133270-0.094508I$ $a=-0.0108772+0.1312870I$ $b=\ \ 0.008558+1.226130I$	$3.44061+2.55226I$	0
$u=-0.443283+0.714059I$ $a=-2.00536+0.69393I$ $b=\ \ 0.845499+0.998451I$	$-0.58409+2.30355I$	0
$u=-0.443283-0.714059I$ $a=-2.00536-0.69393I$ $b=\ \ 0.845499-0.998451I$	$-0.58409-2.30355I$	0
$u=\ \ 1.062760+0.471860I$ $a=-0.118414-0.270868I$ $b=\ \ 0.044239-1.215040I$	$6.76585+1.83284I$	0
$u=\ \ 1.062760-0.471860I$ $a=-0.118414+0.270868I$ $b=\ \ 0.044239+1.215040I$	$6.76585-1.83284I$	0
$u=-0.651366+0.971836I$ $a=-1.92468+0.26060I$ $b=\ \ 0.59797+1.44518I$	$6.25598-5.09845I$	0
$u=-0.651366-0.971836I$ $a=-1.92468-0.26060I$ $b=\ \ 0.59797-1.44518I$	$6.25598+5.09845I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u=-0.557017+0.613871I$ $a=-0.409467+0.939341I$ $b=\ \ 0.987950-0.342672I$	$2.71513+1.93385I$	0
$u=-0.557017-0.613871I$ $a=-0.409467-0.939341I$ $b=\ \ 0.987950+0.342672I$	$2.71513-1.93385I$	0
$u=-0.747186+0.332399I$ $a=\ \ 0.332745-0.437546I$ $b=-0.896635+0.130466I$	$-4.04595+1.81268I$	0
$u=-0.747186-0.332399I$ $a=\ \ 0.332745+0.437546I$ $b=-0.896635-0.130466I$	$-4.04595-1.81268I$	0
$u=\ \ 0.622436+1.009490I$ $a=-1.69807-0.26278I$ $b=\ \ 0.139745-1.105790I$	$2.09705+3.42836I$	0
$u=\ \ 0.622436-1.009490I$ $a=-1.69807+0.26278I$ $b=\ \ 0.139745+1.105790I$	$2.09705-3.42836I$	0
$u=-0.181525+1.172900I$ $a=\ \ 1.42896-0.46621I$ $b=-0.829191-0.232875I$	$-8.82234-0.91544I$	0
$u=-0.181525-1.172900I$ $a=\ \ 1.42896+0.46621I$ $b=-0.829191+0.232875I$	$-8.82234+0.91544I$	0
$u=\ \ 0.456154+0.664711I$ $a=\ \ 0.61525+1.56775I$ $b=-0.020906-0.518366I$	$2.33820+1.37333I$	0
$u=\ \ 0.456154-0.664711I$ $a=\ \ 0.61525-1.56775I$ $b=-0.020906+0.518366I$	$2.33820-1.37333I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u=-0.133227+1.187360I$ $a=-1.41101+0.43669I$ $b=\ \ 0.795493+0.218832I$	$-8.34685+5.22128I$	0
$u=-0.133227-1.187360I$ $a=-1.41101-0.43669I$ $b=\ \ 0.795493-0.218832I$	$-8.34685-5.22128I$	0
$u=\ \ 0.477886+1.111110I$ $a=-0.927862+0.357458I$ $b=\ \ 0.433014-0.015021I$	$-3.85790+1.05487I$	0
$u=\ \ 0.477886-1.111110I$ $a=-0.927862-0.357458I$ $b=\ \ 0.433014+0.015021I$	$-3.85790-1.05487I$	0
$u=\ \ 0.522546+1.107910I$ $a=\ \ 0.895110-0.406895I$ $b=-0.423129+0.048731I$	$-3.53406+6.74367I$	0
$u=\ \ 0.522546-1.107910I$ $a=\ \ 0.895110+0.406895I$ $b=-0.423129-0.048731I$	$-3.53406-6.74367I$	0
$u=\ \ 0.195343+1.213140I$ $a=-0.955707+0.975328I$ $b=\ \ 0.347571-1.069600I$	$0.76843+5.57184I$	0
$u=\ \ 0.195343-1.213140I$ $a=-0.955707-0.975328I$ $b=\ \ 0.347571+1.069600I$	$0.76843-5.57184I$	0
$u=-0.635360+1.051860I$ $a=\ \ 1.91539-0.19142I$ $b=-0.53909-1.43926I$	$2.46261-9.01692I$	0
$u=-0.635360-1.051860I$ $a=\ \ 1.91539+0.19142I$ $b=-0.53909+1.43926I$	$2.46261+9.01692I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u=-0.573696+1.101490I$ $a=\ \ 1.27872-0.73078I$ $b=-1.113830-0.111897I$	$-6.25145-6.77312I$	0
$u=-0.573696-1.101490I$ $a=\ \ 1.27872+0.73078I$ $b=-1.113830+0.111897I$	$-6.25145+6.77312I$	0
$u=-0.607709+1.103640I$ $a=-1.24531+0.72570I$ $b=\ \ 1.113740+0.085690I$	$-5.20237-12.95960I$	0
$u=-0.607709-1.103640I$ $a=-1.24531-0.72570I$ $b=\ \ 1.113740-0.085690I$	$-5.20237+12.95960I$	0
$u=-0.695529+1.076720I$ $a=-1.86993+0.18482I$ $b=\ \ 0.54253+1.40519I$	$6.3495-12.6969I$	0
$u=-0.695529-1.076720I$ $a=-1.86993-0.18482I$ $b=\ \ 0.54253-1.40519I$	$6.3495+12.6969I$	0
$u=\ \ 0.604480+0.379071I$ $a=-0.551150+0.357450I$ $b=-0.018965+1.181400I$	$3.35286+1.30846I$	$-2.29563-4.32140I$
$u=\ \ 0.604480-0.379071I$ $a=-0.551150-0.357450I$ $b=-0.018965-1.181400I$	$3.35286-1.30846I$	$-2.29563+4.32140I$
$u=\ \ 1.016120+0.853696I$ $a=\ \ 0.519396+0.310803I$ $b=-0.094416+1.202750I$	$2.39877+1.01374I$	0
$u=\ \ 1.016120-0.853696I$ $a=\ \ 0.519396-0.310803I$ $b=-0.094416-1.202750I$	$2.39877-1.01374I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u=-0.672944+1.147260I$ $a=\ \ 1.87685-0.13801I$ $b=-0.51403-1.39635I$	$-1.55003-12.50060I$	0
$u=-0.672944-1.147260I$ $a=\ \ 1.87685+0.13801I$ $b=-0.51403+1.39635I$	$-1.55003+12.50060I$	0
$u=\ \ 1.094560+0.763773I$ $a=-0.387061-0.268070I$ $b=\ \ 0.080994-1.214740I$	$2.71739+6.28347I$	0
$u=\ \ 1.094560-0.763773I$ $a=-0.387061+0.268070I$ $b=\ \ 0.080994+1.214740I$	$2.71739-6.28347I$	0
$u=-0.016022+1.345400I$ $a=\ \ 0.689201-0.878906I$ $b=-0.426397+1.135310I$	$-6.05046+3.63906I$	0
$u=-0.016022-1.345400I$ $a=\ \ 0.689201+0.878906I$ $b=-0.426397-1.135310I$	$-6.05046-3.63906I$	0
$u=-0.692371+1.153980I$ $a=-1.86487+0.13570I$ $b=\ \ 0.51713+1.38967I$	$-0.5913-18.6960I$	0
$u=-0.692371-1.153980I$ $a=-1.86487-0.13570I$ $b=\ \ 0.51713-1.38967I$	$-0.5913+18.6960I$	0
$u=\ \ 0.023126+1.377250I$ $a=-0.719581+0.849284I$ $b=\ \ 0.409086-1.141730I$	$-5.52098+9.62166I$	0
$u=\ \ 0.023126-1.377250I$ $a=-0.719581-0.849284I$ $b=\ \ 0.409086+1.141730I$	$-5.52098-9.62166I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = 0.805185 + 1.119210I$ $a = 1.009610 + 0.085722I$ $b = -0.154249 + 1.170110I$	$4.84892 + 4.84004I$	0
$u = 0.805185 - 1.119210I$ $a = 1.009610 - 0.085722I$ $b = -0.154249 - 1.170110I$	$4.84892 - 4.84004I$	0
$u = 0.272901 + 0.554183I$ $a = -0.19275 + 2.00690I$ $b = 0.257419 - 0.608789I$	$2.30617 + 1.35689I$	$0.69154 - 4.56259I$
$u = 0.272901 - 0.554183I$ $a = -0.19275 - 2.00690I$ $b = 0.257419 + 0.608789I$	$2.30617 - 1.35689I$	$0.69154 + 4.56259I$
$u = 0.65848 + 1.29036I$ $a = -1.068220 + 0.283751I$ $b = 0.211206 - 1.163030I$	$-0.52858 + 3.53870I$	0
$u = 0.65848 - 1.29036I$ $a = -1.068220 - 0.283751I$ $b = 0.211206 + 1.163030I$	$-0.52858 - 3.53870I$	0
$u = 0.72220 + 1.29833I$ $a = 1.003820 - 0.223822I$ $b = -0.201729 + 1.176080I$	$-0.06083 + 9.13213I$	0
$u = 0.72220 - 1.29833I$ $a = 1.003820 + 0.223822I$ $b = -0.201729 - 1.176080I$	$-0.06083 - 9.13213I$	0
$u = 0.270706 + 0.375679I$ $a = 2.42139 + 1.77339I$ $b = -0.236524 - 0.659638I$	$-1.27823 - 2.63513I$	$-5.66825 + 3.44323I$
$u = 0.270706 - 0.375679I$ $a = 2.42139 - 1.77339I$ $b = -0.236524 + 0.659638I$	$-1.27823 + 2.63513I$	$-5.66825 - 3.44323I$

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u=-0.336905$ $a=-0.721891$ $b=-0.588949$	-0.940602	-10.3260
$u=\ \ 0.322904+0.028835I$ $a=-1.17535-3.20754I$ $b=\ \ 0.143408+0.600910I$	$-1.22625+2.67668I$	$-4.97081-2.18693I$
$u=\ \ 0.322904-0.028835I$ $a=-1.17535+3.20754I$ $b=\ \ 0.143408-0.600910I$	$-1.22625-2.67668I$	$-4.97081+2.18693I$
$u=-0.141033+0.171770I$ $a=\ \ 4.56827-2.64364I$ $b=-0.276321-0.948170I$	$-1.35507-2.65461I$	$-5.59031+3.22885I$
$u=-0.141033-0.171770I$ $a=\ \ 4.56827+2.64364I$ $b=-0.276321+0.948170I$	$-1.35507+2.65461I$	$-5.59031-3.22885I$

II. u-Polynomials

Crossings	u-Polynomials at each crossing
c_1	$u^{105} + 43u^{104} + \cdots - 7u - 1$
c_2, c_5	$u^{105} + u^{104} + \cdots + 3u + 1$
c_3	$u^{105} - 27u^{104} + \cdots - 9u + 1$
c_4	$u^{105} - 15u^{104} + \cdots + 15789u + 52699$
c_6, c_9	$u^{105} - 5u^{104} + \cdots - 3u + 1$
c_7, c_{11}	$u^{105} + 5u^{104} + \cdots - u + 1$
c_8	$u^{105} - u^{104} + \cdots - 11u + 1$
c_{10}, c_{12}	$u^{105} - 31u^{104} + \cdots + 5u + 1$

III. Riley Polynomials

Crossings	Riley Polynomials at each crossing
c_1	$y^{105} + 39y^{104} + \cdots - 579y - 1$
c_2, c_5	$y^{105} + 43y^{104} + \cdots - 7y - 1$
c_3	$y^{105} + 95y^{104} + \cdots - 295y - 1$
c_4	$y^{105} - 17y^{104} + \cdots + 26937541693y - 2777184601$
c_6, c_9	$y^{105} + 75y^{104} + \cdots + 5y - 1$
c_7, c_{11}	$y^{105} + 31y^{104} + \cdots + 5y - 1$
c_8	$y^{105} - 5y^{104} + \cdots + 33y - 1$
c_{10}, c_{12}	$y^{105} + 87y^{104} + \cdots - 251y - 1$