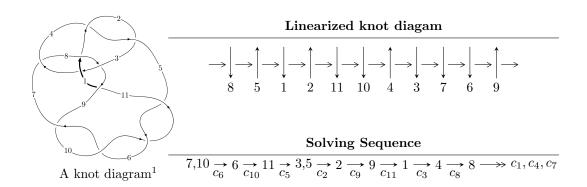
$11a_{265} (K11a_{265})$



Ideals for irreducible components² of X_{par}

$$I_1^u = \langle -3051064229120u^{53} - 209833800856320u^{52} + \dots + 578826226766096229b + 3885666844, \\ -3.04606 \times 10^{12}u^{53} - 2.09713 \times 10^{14}u^{52} + \dots + 5.78826 \times 10^{17}a + 1.06118 \times 10^{18}, \ u^{54} + u^{53} + \dots + 3u + 1.06118 \times 10^{18}, \ u^{54} + u^{55} + \dots + 3u$$

* 1 irreducible components of $\dim_{\mathbb{C}} = 0$, with total 54 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.

$$I. \\ I_1^u = \langle -3.05 \times 10^{12} u^{53} - 2.10 \times 10^{14} u^{52} + \dots + 5.79 \times 10^{17} b + 3.89 \times 10^9, \ -3.05 \times 10^{12} u^{53} - 2.10 \times 10^{14} u^{52} + \dots + 5.79 \times 10^{17} a + 1.06 \times 10^{18}, \ u^{54} + u^{53} + \dots + 3u + 1 \rangle$$

(i) Arc colorings

$$a_{7} = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$

$$a_{10} = \begin{pmatrix} 0 \\ u \end{pmatrix}$$

$$a_{6} = \begin{pmatrix} 1 \\ -u^{2} \end{pmatrix}$$

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

$$a_{3} = \begin{pmatrix} 5.26248 \times 10^{-6}u^{53} + 0.000362307u^{52} + \dots - 2.47819u - 1.83333 \\ 5.27112 \times 10^{-6}u^{53} + 0.000362516u^{52} + \dots + 3.16667u - 6.71301 \times 10^{-9} \end{pmatrix}$$

$$a_{5} = \begin{pmatrix} u^{2} + 1 \\ -u^{4} - 2u^{2} \end{pmatrix}$$

$$a_{2} = \begin{pmatrix} 1.21040 \times 10^{-6}u^{53} + 0.0000804923u^{52} + \dots - 3.23347u - 1.01667 \\ 1.19100 \times 10^{-6}u^{53} + 0.0000798962u^{52} + \dots + 3.18333u - 1.72656 \times 10^{-9} \end{pmatrix}$$

$$a_{9} = \begin{pmatrix} u \\ u \end{pmatrix}$$

$$a_{1} = \begin{pmatrix} u^{5} + 2u^{3} - u \\ u^{5} + 3u^{3} + u \end{pmatrix}$$

$$a_{4} = \begin{pmatrix} -7.89546 \times 10^{-7}u^{53} - 0.0000401538u^{52} + \dots - 2.31083u - 1.75000 \\ -6.83885 \times 10^{-7}u^{53} - 0.00036948u^{52} + \dots + 3.25000u + 1.91977 \times 10^{-9} \end{pmatrix}$$

$$a_{8} = \begin{pmatrix} -0.00581270u^{53} - 0.00326390u^{52} + \dots - 0.253465u + 0.116715 \\ 0.0000208391u^{53} + 0.00252101u^{52} + \dots + 2.48502u + 0.00250009 \end{pmatrix}$$

$$a_{8} = \begin{pmatrix} -0.00581270u^{53} - 0.00326390u^{52} + \dots - 0.253465u + 0.116715 \\ 0.0000208391u^{53} + 0.00252101u^{52} + \dots + 2.48502u + 0.00250009 \end{pmatrix}$$

(ii) Obstruction class = -1

(iii) Cusp Shapes = $-\frac{613554862282394952}{192942075588698743}u^{53} - \frac{459136890023638500}{192942075588698743}u^{52} + \dots + \frac{755304846551017564}{192942075588698743}u + \frac{883739019103167146}{192942075588698743}u^{52} + \dots + \frac{755304846551017564}{192942075588698743}u + \frac{883739019103167146}{192942075588698743}u^{52} + \dots + \frac{755304846551017564}{192942075588698743}u^{52} + \dots + \frac{755304846551017564}{19294207558698944}u^{52} + \dots + \frac{755304846551017564}{1929420755869804}u^{52} + \dots + \frac$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1	$u^{54} + 3u^{53} + \dots + u + 1$
c_2, c_4	$u^{54} + u^{53} + \dots + 9u + 1$
c_3	$u^{54} - 9u^{53} + \dots - u + 1$
c_5, c_6, c_9 c_{10}	$u^{54} - u^{53} + \dots - 3u + 1$
c_7	$u^{54} - 3u^{53} + \dots + 15u - 1$
<i>c</i> ₈	$u^{54} - u^{53} + \dots - 39u + 7$
c_{11}	$u^{54} + 13u^{53} + \dots + 657u + 99$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1	$y^{54} + 9y^{53} + \dots + 3y + 1$
c_{2}, c_{4}	$y^{54} - 35y^{53} + \dots - 9y + 1$
<i>c</i> ₃	$y^{54} - 3y^{53} + \dots - 9y + 1$
c_5, c_6, c_9 c_{10}	$y^{54} + 61y^{53} + \dots + 3y + 1$
c_7	$y^{54} - 55y^{53} + \dots - 413y + 1$
<i>c</i> ₈	$y^{54} - 43y^{53} + \dots - 317y + 49$
c_{11}	$y^{54} + 5y^{53} + \dots + 103347y + 9801$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.545362 + 0.766936I		
a = -0.188047 - 0.903445I	1.00016 - 3.95703I	-3.00000 + 11.79776I
b = -0.949767 - 0.409626I		
u = 0.545362 - 0.766936I		
a = -0.188047 + 0.903445I	1.00016 + 3.95703I	-3.00000 - 11.79776I
b = -0.949767 + 0.409626I		
u = -0.172970 + 1.046260I		
a = -1.181840 + 0.461864I	5.26922 - 5.01222I	0
b = -0.428067 - 0.337725I		
u = -0.172970 - 1.046260I		
a = -1.181840 - 0.461864I	5.26922 + 5.01222I	0
b = -0.428067 + 0.337725I		
u = -0.561965 + 0.693690I		
a = 0.31746 + 1.44112I	2.46124 + 12.12320I	0.08589 - 9.41589I
b = -1.53183 + 1.30909I		
u = -0.561965 - 0.693690I		
a = 0.31746 - 1.44112I	2.46124 - 12.12320I	0.08589 + 9.41589I
b = -1.53183 - 1.30909I		
u = -0.506554 + 0.624526I		
a = 0.086447 - 0.728121I	-1.47018 + 6.23173I	-3.03340 - 8.93677I
b = 1.52442 - 0.61745I		
u = -0.506554 - 0.624526I		
a = 0.086447 + 0.728121I	-1.47018 - 6.23173I	-3.03340 + 8.93677I
b = 1.52442 + 0.61745I		
u = 0.670771 + 0.429255I		
a = 0.279527 - 0.397115I	-0.67521 - 2.21346I	-9.82154 + 8.24478I
b = -0.026389 - 0.348007I		
u = 0.670771 - 0.429255I		
a = 0.279527 + 0.397115I	-0.67521 + 2.21346I	-9.82154 - 8.24478I
b = -0.026389 + 0.348007I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.411382 + 0.638832I		
a = 0.14437 - 1.44846I	3.27194 + 4.12688I	4.58912 - 9.06876I
b = 0.95232 - 1.40932I		
u = -0.411382 - 0.638832I		
a = 0.14437 + 1.44846I	3.27194 - 4.12688I	4.58912 + 9.06876I
b = 0.95232 + 1.40932I		
u = 0.499596 + 0.521821I		
a = -0.436226 - 0.083526I	-0.70487 - 1.75962I	-4.58587 + 3.17454I
b = 0.207048 + 0.493590I		
u = 0.499596 - 0.521821I		
a = -0.436226 + 0.083526I	-0.70487 + 1.75962I	-4.58587 - 3.17454I
b = 0.207048 - 0.493590I		
u = -0.293339 + 0.635944I		
a = 0.850317 - 1.011600I	4.01735 + 0.63222I	7.39930 - 2.66782I
b = -0.428431 - 0.192704I		
u = -0.293339 - 0.635944I		
a = 0.850317 + 1.011600I	4.01735 - 0.63222I	7.39930 + 2.66782I
b = -0.428431 + 0.192704I		
u = -0.659334 + 0.232085I		
a = 0.346734 - 1.144240I	1.09662 - 8.00461I	-2.60038 + 4.65248I
b = 1.24395 + 0.77928I		
u = -0.659334 - 0.232085I		
a = 0.346734 + 1.144240I	1.09662 + 8.00461I	-2.60038 - 4.65248I
b = 1.24395 - 0.77928I		
u = 0.393123 + 0.559225I		
a = 0.37563 + 4.16236I	1.56763 - 1.75278I	-6.2825 - 17.5292I
b = 2.99641 + 0.60734I		
u = 0.393123 - 0.559225I		
a = 0.37563 - 4.16236I	1.56763 + 1.75278I	-6.2825 + 17.5292I
b = 2.99641 - 0.60734I		

$\begin{array}{c} u = 0.148291 + 1.360240I \\ a = -0.709327 + 0.835990I \\ b = -0.329247 + 0.393163I \\ \hline u = 0.148291 - 1.360240I \\ a = -0.709327 - 0.835990I \\ b = -0.329247 - 0.393163I \\ \hline u = -0.000111 + 0.622884I \\ a = -0.308967 - 0.550291I \\ b = -0.810890 + 0.336840I \\ \hline u = -0.000111 - 0.622884I \\ a = -0.308967 + 0.550291I \\ b = -0.810890 - 0.336840I \\ \hline u = -0.541870 + 0.294917I \\ a = -0.16659 + 1.62943I \\ u = -0.541870 - 0.294917I \\ a = -0.16659 - 1.62943I \\ u = -0.541870 - 0.294917I \\ a = -0.16659 - 1.62943I \\ u = -0.541870 - 0.294917I \\ a = -0.16659 - 1.62943I \\ u = -0.541870 - 0.294917I \\ a = -0.16659 - 1.62943I \\ u = -0.04794 + 1.44591I \\ a = 0.30412 - 1.67700I \\ b = 0.023300 - 0.933728I \\ u = -0.04794 - 1.44591I \\ a = 0.30412 + 1.67700I \\ b = 0.023300 + 0.933728I \\ u = 0.0436728 + 0.415892I \\ \hline \end{array}$	Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$\begin{array}{c} b = -0.329247 + 0.393163I \\ u = 0.148291 - 1.360240I \\ a = -0.709327 - 0.835990I \\ b = -0.329247 - 0.393163I \\ u = -0.000111 + 0.622884I \\ a = -0.308967 - 0.550291I \\ b = -0.810890 + 0.336840I \\ u = -0.000111 - 0.622884I \\ a = -0.308967 + 0.550291I \\ b = -0.810890 - 0.336840I \\ u = -0.541870 + 0.294917I \\ a = -0.16659 + 1.62943I \\ u = -0.541870 - 0.294917I \\ a = -0.16659 - 1.62943I \\ u = -0.541870 - 0.294917I \\ a = -0.16659 - 1.62943I \\ u = -0.541870 - 0.294917I \\ a = -0.16659 - 1.62943I \\ u = -0.870080 + 0.000654I \\ u = 0.615568 \\ a = -0.465542 \\ b = 0.796207 \\ u = -0.04794 + 1.44591I \\ a = 0.30412 - 1.67700I \\ b = 0.023300 - 0.933728I \\ u = -0.04794 - 1.44591I \\ a = 0.30412 + 1.67700I \\ b = 0.023300 + 0.933728I \\ u = 0.023300 + 0.933728I \\ 0 = 0.023300 + 0.9$	u = 0.148291 + 1.360240I		
$\begin{array}{c} u = 0.148291 - 1.360240I \\ a = -0.709327 - 0.835990I \\ b = -0.329247 - 0.393163I \\ u = -0.000111 + 0.622884I \\ a = -0.308967 - 0.550291I \\ b = -0.810890 + 0.336840I \\ u = -0.000111 - 0.622884I \\ a = -0.308967 + 0.550291I \\ b = -0.810890 - 0.336840I \\ u = -0.541870 + 0.294917I \\ a = -0.16659 + 1.62943I \\ u = -0.541870 - 0.294917I \\ a = -0.16659 - 1.62943I \\ u = -0.541870 - 0.294917I \\ a = -0.16659 - 1.62943I \\ u = -0.541870 - 0.294917I \\ a = -0.16659 - 1.62943I \\ u = -0.541870 - 0.294917I \\ a = -0.16659 - 1.62943I \\ u = -0.16659 - 1.62943I \\ u = -0.165568 \\ a = -0.465542 \\ a = -0.465542 \\ b = 0.796207 \\ \hline u = -0.04794 + 1.44591I \\ a = 0.30412 - 1.67700I \\ b = 0.023300 - 0.933728I \\ \hline u = -0.04794 - 1.44591I \\ a = 0.30412 + 1.67700I \\ b = 0.023300 + 0.933728I \\ \hline 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\$	a = -0.709327 + 0.835990I	4.94656 - 5.25128I	0
$\begin{array}{c} a = -0.709327 - 0.835990I \\ b = -0.329247 - 0.393163I \\ \hline u = -0.000111 + 0.622884I \\ a = -0.308967 - 0.550291I \\ b = -0.810890 + 0.336840I \\ \hline u = -0.000111 - 0.622884I \\ a = -0.308967 + 0.550291I \\ b = -0.810890 - 0.336840I \\ \hline u = -0.541870 + 0.294917I \\ a = -0.16659 + 1.62943I \\ u = -0.541870 - 0.294917I \\ a = -0.16659 - 1.62943I \\ u = -0.541870 - 0.294917I \\ a = -0.16659 - 1.62943I \\ u = -0.16659 - 1.62943I \\ u = -0.16558 \\ a = -0.465542 \\ u = 0.04794 + 1.44591I \\ a = 0.30412 + 1.67700I \\ b = 0.023300 - 0.933728I \\ \hline u = 0.023300 + 0.933728I \\ b = 0.023300 + 0.933728I \\ \hline a = 0.023300 + 0.933728I \\ \hline a = 0.023300 + 0.933728I \\ \hline 0 = 0.02300 + 0.933728I \\ \hline 0 = 0.023300 + 0.933728I \\ \hline 0 = 0.$	b = -0.329247 + 0.393163I		
$\begin{array}{c} b = -0.329247 - 0.393163I \\ u = -0.000111 + 0.622884I \\ a = -0.308967 - 0.550291I \\ b = -0.810890 + 0.336840I \\ \hline u = -0.000111 - 0.622884I \\ a = -0.308967 + 0.550291I \\ b = -0.810890 - 0.336840I \\ \hline u = -0.541870 + 0.294917I \\ a = -0.16659 + 1.62943I \\ u = -0.541870 - 0.294917I \\ a = -0.16659 - 1.62943I \\ u = -0.541870 - 0.294917I \\ a = -0.16659 - 1.62943I \\ u = -0.870080 - 0.000654I \\ \hline u = 0.615568 \\ a = -0.465542 \\ b = 0.796207 \\ \hline u = -0.04794 + 1.44591I \\ a = 0.30412 - 1.67700I \\ b = 0.023300 - 0.933728I \\ \hline u = 0.023300 + 0.933728I \\ \hline a = 0.023300 + 0.933728I \\ \hline 0 = 0.02330$	u = 0.148291 - 1.360240I		
$\begin{array}{c} u = -0.000111 + 0.622884I \\ a = -0.308967 - 0.550291I \\ b = -0.810890 + 0.336840I \\ \hline u = -0.000111 - 0.622884I \\ a = -0.308967 + 0.550291I \\ b = -0.810890 - 0.336840I \\ \hline u = -0.541870 + 0.294917I \\ a = -0.16659 + 1.62943I \\ u = -0.541870 - 0.294917I \\ a = -0.16659 - 1.62943I \\ \hline u = -0.541870 - 0.294917I \\ a = -0.16659 - 1.62943I \\ \hline u = 0.615568 \\ a = -0.465542 \\ b = 0.796207 \\ \hline u = -0.04794 + 1.44591I \\ a = 0.30412 - 1.67700I \\ b = 0.023300 - 0.933728I \\ \hline u = 0.023300 + 0.933728I \\ \hline \end{array}$	a = -0.709327 - 0.835990I	4.94656 + 5.25128I	0
$\begin{array}{c} a = -0.308967 - 0.550291I \\ b = -0.810890 + 0.336840I \\ \hline u = -0.000111 - 0.622884I \\ a = -0.308967 + 0.550291I \\ b = -0.810890 - 0.336840I \\ \hline u = -0.541870 + 0.294917I \\ a = -0.16659 + 1.62943I \\ u = -0.541870 - 0.294917I \\ a = -0.16659 - 1.62943I \\ \hline u = -0.541870 - 0.294917I \\ a = -0.16659 - 1.62943I \\ \hline u = 0.615568 \\ a = -0.465542 \\ b = 0.796207 \\ \hline u = -0.04794 + 1.44591I \\ a = 0.30412 - 1.67700I \\ b = 0.023300 - 0.933728I \\ \hline u = 0.023300 + 0.933728I \\ \hline u = 0.023300 + 0.933728I \\ \hline a = 0.$	b = -0.329247 - 0.393163I		
$\begin{array}{c} b = -0.810890 + 0.336840I \\ u = -0.000111 - 0.622884I \\ a = -0.308967 + 0.550291I \\ b = -0.810890 - 0.336840I \\ \hline \\ u = -0.541870 + 0.294917I \\ a = -0.16659 + 1.62943I \\ u = -0.541870 - 0.294917I \\ a = -0.16659 - 1.62943I \\ \hline \\ u = -0.541870 - 0.294917I \\ a = -0.16659 - 1.62943I \\ \hline \\ u = -0.870080 + 0.000654I \\ \hline \\ u = 0.615568 \\ a = -0.465542 \\ b = 0.796207 \\ \hline \\ u = -0.04794 + 1.44591I \\ a = 0.30412 - 1.67700I \\ b = 0.023300 - 0.933728I \\ \hline \\ u = 0.023300 + 0.933728I \\ \hline \\ u = 0.02$	u = -0.000111 + 0.622884I		
$\begin{array}{c} u = -0.000111 - 0.622884I \\ a = -0.308967 + 0.550291I \\ b = -0.810890 - 0.336840I \\ \hline u = -0.541870 + 0.294917I \\ a = -0.16659 + 1.62943I \\ b = -0.870080 - 0.000654I \\ \hline u = -0.541870 - 0.294917I \\ a = -0.16659 - 1.62943I \\ b = -0.870080 + 0.000654I \\ \hline u = 0.615568 \\ a = -0.465542 \\ b = 0.796207 \\ \hline u = -0.04794 + 1.44591I \\ a = 0.30412 + 1.67700I \\ b = 0.023300 + 0.933728I \\ \hline u = 0.023300 + 0.933728I \\ \hline \end{array}$	a = -0.308967 - 0.550291I	1.31595 - 1.53064I	2.46645 + 4.42217I
$\begin{array}{c} a = -0.308967 + 0.550291I \\ b = -0.810890 - 0.336840I \\ \hline u = -0.541870 + 0.294917I \\ a = -0.16659 + 1.62943I \\ \hline u = -0.541870 - 0.294917I \\ a = -0.16659 - 1.62943I \\ \hline u = -0.541870 - 0.294917I \\ a = -0.16659 - 1.62943I \\ \hline u = 0.615568 \\ a = -0.465542 \\ b = 0.796207 \\ \hline u = -0.04794 + 1.44591I \\ a = 0.30412 - 1.67700I \\ b = 0.023300 - 0.933728I \\ \hline u = 0.023300 + 0.933728I \\ \hline u = 0.023300 + 0.933728I \\ \hline a = 0.30412 + 1.67700I \\ b = 0.023300 + 0.933728I \\ \hline \end{array}$			
$\begin{array}{c} b = -0.810890 - 0.336840I \\ \hline u = -0.541870 + 0.294917I \\ a = -0.16659 + 1.62943I \\ \hline u = -0.870080 - 0.000654I \\ \hline u = -0.541870 - 0.294917I \\ a = -0.16659 - 1.62943I \\ \hline u = -0.870080 + 0.000654I \\ \hline u = 0.615568 \\ a = -0.465542 \\ b = 0.796207 \\ \hline u = -0.04794 + 1.44591I \\ a = 0.30412 - 1.67700I \\ b = 0.023300 - 0.933728I \\ \hline u = -0.04794 - 1.44591I \\ a = 0.30412 + 1.67700I \\ b = 0.023300 + 0.933728I \\ \hline u = 0.023300 + 0.933728I \\ \hline 0 \\ b = 0.023300 + 0.933728I \\ \hline 0 \\ c = 0.023300$	u = -0.000111 - 0.622884I		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	a = -0.308967 + 0.550291I	1.31595 + 1.53064I	2.46645 - 4.42217I
$\begin{array}{c} a = -0.16659 + 1.62943I \\ b = -0.870080 - 0.000654I \\ \hline u = -0.541870 - 0.294917I \\ a = -0.16659 - 1.62943I \\ \hline u = 0.615568 \\ a = -0.465542 \\ \hline u = -0.04794 + 1.44591I \\ a = 0.30412 + 1.67700I \\ b = 0.023300 + 0.933728I \\ \hline a = 0.30430 + 0.933728I \\ \hline a = 0.023300 + 0.$			
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	u = -0.541870 + 0.294917I		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	a = -0.16659 + 1.62943I	-2.42907 - 2.60276I	-6.59954 + 2.27110I
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	b = -0.870080 - 0.000654I		
$\begin{array}{c} b = -0.870080 + 0.000654I \\ \hline u = 0.615568 \\ a = -0.465542 \\ b = 0.796207 \\ \hline u = -0.04794 + 1.44591I \\ a = 0.30412 - 1.67700I \\ b = 0.023300 - 0.933728I \\ \hline u = -0.04794 - 1.44591I \\ a = 0.30412 + 1.67700I \\ b = 0.023300 + 0.933728I \\ \hline \end{array}$	u = -0.541870 - 0.294917I		
$\begin{array}{c} u = 0.615568 \\ a = -0.465542 \\ b = 0.796207 \\ \hline u = -0.04794 + 1.44591I \\ a = 0.30412 - 1.67700I \\ b = 0.023300 - 0.933728I \\ \hline u = -0.04794 - 1.44591I \\ a = 0.30412 + 1.67700I \\ b = 0.023300 + 0.933728I \\ \end{array}$	a = -0.16659 - 1.62943I	-2.42907 + 2.60276I	-6.59954 - 2.27110I
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	b = -0.870080 + 0.000654I		
$\begin{array}{c} b = 0.796207 \\ u = -0.04794 + 1.44591I \\ a = 0.30412 - 1.67700I & 2.95011 - 0.80061I & 0 \\ \underline{b} = 0.023300 - 0.933728I \\ u = -0.04794 - 1.44591I \\ a = 0.30412 + 1.67700I & 2.95011 + 0.80061I & 0 \\ \underline{b} = 0.023300 + 0.933728I & 0 \end{array}$	u = 0.615568		
$\begin{array}{c} u = -0.04794 + 1.44591I \\ a = 0.30412 - 1.67700I \\ b = 0.023300 - 0.933728I \\ \hline u = -0.04794 - 1.44591I \\ a = 0.30412 + 1.67700I \\ b = 0.023300 + 0.933728I \\ \end{array} \begin{array}{c} 0.95011 - 0.80061I \\ 2.95011 + 0.80061I \\ 0.80061I \\ 0.95011 + 0.8$	a = -0.465542	-1.10777	-11.9580
$\begin{array}{lll} a = & 0.30412 - 1.67700I & 2.95011 - 0.80061I & 0 \\ \underline{b} = & 0.023300 - 0.933728I & & \\ \underline{u} = -0.04794 - 1.44591I & \\ a = & 0.30412 + 1.67700I & 2.95011 + 0.80061I & 0 \\ \underline{b} = & 0.023300 + 0.933728I & & 0 \end{array}$			
b = 0.023300 - 0.933728I $u = -0.04794 - 1.44591I$ $a = 0.30412 + 1.67700I$ $b = 0.023300 + 0.933728I$ 0 0	u = -0.04794 + 1.44591I		
u = -0.04794 - 1.44591I a = 0.30412 + 1.67700I	a = 0.30412 - 1.67700I	2.95011 - 0.80061I	0
a = 0.30412 + 1.67700I			
b = 0.023300 + 0.933728I			
	a = 0.30412 + 1.67700I	2.95011 + 0.80061I	0
u = 0.346728 + 0.415892I			
	u = 0.346728 + 0.415892I		
a = -0.41230 - 2.49448I $1.12331 - 0.98698I$ $7.38443 + 9.46034I$	a = -0.41230 - 2.49448I	1.12331 - 0.98698I	7.38443 + 9.46034I
b = -2.30227 + 0.40921I	b = -2.30227 + 0.40921I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.346728 - 0.415892I		
a = -0.41230 + 2.49448I	1.12331 + 0.98698I	7.38443 - 9.46034I
b = -2.30227 - 0.40921I		
u = 0.496604		
a = -0.826100	-1.13235	-10.5020
b = 0.696774		
u = 0.07837 + 1.54926I		
a = 1.86936 + 1.70184I	7.92145 - 2.31500I	0
b = 2.37253 + 0.73488I		
u = 0.07837 - 1.54926I		
a = 1.86936 - 1.70184I	7.92145 + 2.31500I	0
b = 2.37253 - 0.73488I		
u = 0.13720 + 1.55270I		
a = 0.040303 - 0.953011I	6.29079 - 4.01270I	0
b = -0.542375 - 0.985698I		
u = 0.13720 - 1.55270I		
a = 0.040303 + 0.953011I	6.29079 + 4.01270I	0
b = -0.542375 + 0.985698I		
u = -0.04879 + 1.56688I		
a = 1.45840 - 1.17346I	8.64965 - 1.05444I	0
b = 1.72999 - 1.25663I		
u = -0.04879 - 1.56688I		
a = 1.45840 + 1.17346I	8.64965 + 1.05444I	0
b = 1.72999 + 1.25663I		
u = 0.10731 + 1.56661I		
a = -2.89723 - 2.74617I	8.80102 - 3.53795I	0
b = -2.89407 - 0.64960I		
u = 0.10731 - 1.56661I		
a = -2.89723 + 2.74617I	8.80102 + 3.53795I	0
b = -2.89407 + 0.64960I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.14576 + 1.57745I		_
a = -1.40684 + 1.66633I	5.94961 + 8.61448I	0
b = -2.06161 + 1.25521I		
u = -0.14576 - 1.57745I	F 0.1004 0.04.110.T	
a = -1.40684 - 1.66633I	5.94961 - 8.61448I	0
b = -2.06161 - 1.25521I		
u = -0.08890 + 1.58461I		
a = 0.610813 + 0.478237I	11.59780 + 2.07370I	0
b = 1.332270 + 0.248255I		
u = -0.08890 - 1.58461I		_
a = 0.610813 - 0.478237I	11.59780 - 2.07370I	0
b = 1.332270 - 0.248255I		
u = -0.11679 + 1.58495I		_
a = -0.47013 + 2.67136I	10.82650 + 6.06392I	0
b = -0.82660 + 2.34169I		
u = -0.11679 - 1.58495I		
a = -0.47013 - 2.67136I	10.82650 - 6.06392I	0
b = -0.82660 - 2.34169I		
u = -0.372639 + 0.159058I		
a = -1.55778 + 0.98703I	2.00449 - 1.26243I	-0.21146 + 2.28876I
b = -0.893238 - 0.244729I		
u = -0.372639 - 0.159058I		
a = -1.55778 - 0.98703I	2.00449 + 1.26243I	-0.21146 - 2.28876I
b = -0.893238 + 0.244729I		
u = -0.16943 + 1.60101I		
a = 0.78343 - 2.47982I	10.1949 + 14.8555I	0
b = 1.68631 - 1.83629I		
u = -0.16943 - 1.60101I		
a = 0.78343 + 2.47982I	10.1949 - 14.8555I	0
b = 1.68631 + 1.83629I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.16913 + 1.62019I		
a = 0.64236 + 1.39992I	9.06286 - 6.69333I	0
b = 1.033010 + 0.913072I		
u = 0.16913 - 1.62019I		
a = 0.64236 - 1.39992I	9.06286 + 6.69333I	0
b = 1.033010 - 0.913072I		
u = -0.01419 + 1.65792I		
a = 0.271821 + 0.270288I	14.5155 - 4.5567I	0
b = -0.453188 + 0.515678I		
u = -0.01419 - 1.65792I		
a = 0.271821 - 0.270288I	14.5155 + 4.5567I	0
b = -0.453188 - 0.515678I		

II. u-Polynomials

Crossings	u-Polynomials at each crossing
c_1	$u^{54} + 3u^{53} + \dots + u + 1$
c_2, c_4	$u^{54} + u^{53} + \dots + 9u + 1$
c_3	$u^{54} - 9u^{53} + \dots - u + 1$
c_5, c_6, c_9 c_{10}	$u^{54} - u^{53} + \dots - 3u + 1$
C ₇	$u^{54} - 3u^{53} + \dots + 15u - 1$
<i>c</i> ₈	$u^{54} - u^{53} + \dots - 39u + 7$
c_{11}	$u^{54} + 13u^{53} + \dots + 657u + 99$

III. Riley Polynomials

Crossings	Riley Polynomials at each crossing
c_1	$y^{54} + 9y^{53} + \dots + 3y + 1$
c_2, c_4	$y^{54} - 35y^{53} + \dots - 9y + 1$
c_3	$y^{54} - 3y^{53} + \dots - 9y + 1$
c_5, c_6, c_9 c_{10}	$y^{54} + 61y^{53} + \dots + 3y + 1$
c_7	$y^{54} - 55y^{53} + \dots - 413y + 1$
c ₈	$y^{54} - 43y^{53} + \dots - 317y + 49$
c_{11}	$y^{54} + 5y^{53} + \dots + 103347y + 9801$