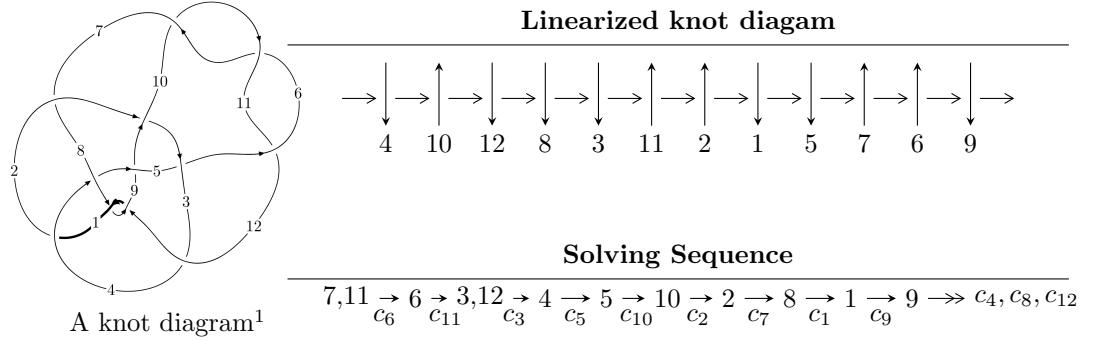


$12a_{1198}$ ($K12a_{1198}$)



Ideals for irreducible components² of X_{par}

$$I_1^u = \langle 4.66736 \times 10^{443} u^{144} - 4.79119 \times 10^{444} u^{143} + \dots + 1.30096 \times 10^{445} b - 6.96891 \times 10^{445}, \\ 7.40283 \times 10^{445} u^{144} - 2.14361 \times 10^{446} u^{143} + \dots + 1.30096 \times 10^{445} a + 1.08136 \times 10^{447}, \\ u^{145} - 3u^{144} + \dots + 30u + 1 \rangle$$

$$I_2^u = \langle 20500548319041u^{33} - 275174690960662u^{32} + \dots + 673397680793441b - 65230091246849, \\ 528075704142869u^{33} + 297599063074788u^{32} + \dots + 673397680793441a + 2532338124697314, \\ u^{34} + 18u^{32} + \dots + 2u + 1 \rangle$$

* 2 irreducible components of $\dim_{\mathbb{C}} = 0$, with total 179 representations.

¹The image of knot diagram is generated by the software “**Draw programme**” developed by Andrew Bartholomew(<http://www.layer8.co.uk/math/draw/index.htm#Running-draw>), where we modified some parts for our purpose(<https://github.com/CATsTAILs/LinksPainter>).

²All coefficients of polynomials are rational numbers. But the coefficients are sometimes approximated in decimal forms when there is not enough margin.

$$\text{I. } I_1^u = \langle 4.67 \times 10^{443} u^{144} - 4.79 \times 10^{444} u^{143} + \dots + 1.30 \times 10^{445} b - 6.97 \times 10^{445}, 7.40 \times 10^{445} u^{144} - 2.14 \times 10^{446} u^{143} + \dots + 1.30 \times 10^{445} a + 1.08 \times 10^{447}, u^{145} - 3u^{144} + \dots + 30u + 1 \rangle$$

(i) **Arc colorings**

$$\begin{aligned} a_7 &= \begin{pmatrix} 1 \\ 0 \end{pmatrix} \\ a_{11} &= \begin{pmatrix} 0 \\ u \end{pmatrix} \\ a_6 &= \begin{pmatrix} 1 \\ u^2 \end{pmatrix} \\ a_3 &= \begin{pmatrix} -5.69028u^{144} + 16.4771u^{143} + \dots - 1416.60u - 83.1200 \\ -0.0358763u^{144} + 0.368281u^{143} + \dots + 115.079u + 5.35674 \end{pmatrix} \\ a_{12} &= \begin{pmatrix} u \\ u^3 + u \end{pmatrix} \\ a_4 &= \begin{pmatrix} -5.48647u^{144} + 15.6291u^{143} + \dots - 1397.04u - 82.6558 \\ 0.164018u^{144} + 0.220810u^{143} + \dots + 141.533u + 6.05755 \end{pmatrix} \\ a_5 &= \begin{pmatrix} 1.97186u^{144} - 6.26110u^{143} + \dots + 519.259u + 16.7480 \\ 1.02742u^{144} - 2.88351u^{143} + \dots + 105.297u + 5.45072 \end{pmatrix} \\ a_{10} &= \begin{pmatrix} -u \\ u \end{pmatrix} \\ a_2 &= \begin{pmatrix} -5.94131u^{144} + 17.0043u^{143} + \dots - 1432.32u - 83.4530 \\ 0.215160u^{144} - 0.158920u^{143} + \dots + 130.797u + 5.68982 \end{pmatrix} \\ a_8 &= \begin{pmatrix} 2.01176u^{144} - 6.54341u^{143} + \dots + 128.662u - 4.11881 \\ 0.344088u^{144} - 1.16477u^{143} + \dots + 140.826u + 6.88706 \end{pmatrix} \\ a_1 &= \begin{pmatrix} -3.88338u^{144} + 11.9704u^{143} + \dots - 1279.86u - 85.6891 \\ -0.158624u^{144} + 0.126640u^{143} + \dots + 80.8831u + 4.76537 \end{pmatrix} \\ a_9 &= \begin{pmatrix} 5.50348u^{144} - 17.0024u^{143} + \dots + 1340.19u + 68.7005 \\ 0.135896u^{144} - 0.505632u^{143} + \dots - 7.74655u + 0.862548 \end{pmatrix} \end{aligned}$$

(ii) **Obstruction class** = -1

(iii) **Cusp Shapes** = $-0.0387298u^{144} + 1.57838u^{143} + \dots + 204.001u + 8.73476$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1	$u^{145} + 6u^{144} + \cdots - 16u + 1$
c_2	$u^{145} + 4u^{144} + \cdots + 185515060u + 38279399$
c_3	$u^{145} - 35u^{144} + \cdots - 85631889u + 14144791$
c_4	$u^{145} + u^{144} + \cdots + 2u + 1$
c_5	$u^{145} + 12u^{144} + \cdots - 13174228u + 7328689$
c_6, c_{10}, c_{11}	$u^{145} - 3u^{144} + \cdots + 30u + 1$
c_7	$u^{145} - 2u^{144} + \cdots + 14370450736u + 2642976587$
c_8, c_{12}	$u^{145} + 49u^{144} + \cdots + 1759u + 541$
c_9	$u^{145} - u^{144} + \cdots + 962205u + 328951$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1	$y^{145} - 16y^{144} + \cdots - 758y - 1$
c_2	$y^{145} + 64y^{144} + \cdots - 46211062606405672y - 1465312387801201$
c_3	$y^{145} - 70y^{144} + \cdots + 9065639520733613y - 200075112433681$
c_4	$y^{145} + y^{144} + \cdots - 30y - 1$
c_5	$y^{145} - 46y^{144} + \cdots + 2078737869821982y - 53709682458721$
c_6, c_{10}, c_{11}	$y^{145} + 151y^{144} + \cdots + 224y - 1$
c_7	$y^{145} + 92y^{144} + \cdots - 3.02 \times 10^{20}y - 6.99 \times 10^{18}$
c_8, c_{12}	$y^{145} + 98y^{144} + \cdots - 20435091y - 292681$
c_9	$y^{145} - 15y^{144} + \cdots + 1990900220177y - 108208760401$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = 0.556225 + 0.825178I$		
$a = -0.642250 - 0.113886I$	$-0.98641 + 5.89965I$	0
$b = -0.549441 + 0.390152I$		
$u = 0.556225 - 0.825178I$		
$a = -0.642250 + 0.113886I$	$-0.98641 - 5.89965I$	0
$b = -0.549441 - 0.390152I$		
$u = 0.624539 + 0.774639I$		
$a = 0.650404 - 0.195995I$	$1.22895 + 2.67342I$	0
$b = 0.296229 + 0.396389I$		
$u = 0.624539 - 0.774639I$		
$a = 0.650404 + 0.195995I$	$1.22895 - 2.67342I$	0
$b = 0.296229 - 0.396389I$		
$u = -0.461064 + 0.896003I$		
$a = -0.328974 - 0.451183I$	$3.99268 - 5.21091I$	0
$b = -0.038803 - 0.414851I$		
$u = -0.461064 - 0.896003I$		
$a = -0.328974 + 0.451183I$	$3.99268 + 5.21091I$	0
$b = -0.038803 + 0.414851I$		
$u = -0.814275 + 0.598530I$		
$a = 0.531502 - 0.489949I$	$-4.83166 - 9.34281I$	0
$b = 0.801664 + 0.014554I$		
$u = -0.814275 - 0.598530I$		
$a = 0.531502 + 0.489949I$	$-4.83166 + 9.34281I$	0
$b = 0.801664 - 0.014554I$		
$u = 0.268368 + 0.984195I$		
$a = 0.239016 - 0.542346I$	$-1.03551 + 1.06476I$	0
$b = -0.617928 + 0.932521I$		
$u = 0.268368 - 0.984195I$		
$a = 0.239016 + 0.542346I$	$-1.03551 - 1.06476I$	0
$b = -0.617928 - 0.932521I$		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = 0.831486 + 0.608016I$		
$a = 0.567344 + 0.572549I$	$-0.9751 + 15.4421I$	0
$b = 0.750347 - 0.119663I$		
$u = 0.831486 - 0.608016I$		
$a = 0.567344 - 0.572549I$	$-0.9751 - 15.4421I$	0
$b = 0.750347 + 0.119663I$		
$u = 0.314618 + 0.987524I$		
$a = 0.440419 + 0.325660I$	$0.00642 - 3.18413I$	0
$b = -1.07228 - 1.17355I$		
$u = 0.314618 - 0.987524I$		
$a = 0.440419 - 0.325660I$	$0.00642 + 3.18413I$	0
$b = -1.07228 + 1.17355I$		
$u = 0.829458 + 0.625826I$		
$a = -0.256361 - 0.647722I$	$-2.75410 + 3.14936I$	0
$b = -0.572982 + 0.100892I$		
$u = 0.829458 - 0.625826I$		
$a = -0.256361 + 0.647722I$	$-2.75410 - 3.14936I$	0
$b = -0.572982 - 0.100892I$		
$u = -0.880427 + 0.572298I$		
$a = -0.049833 - 0.547892I$	$-4.66504 + 3.72932I$	0
$b = 0.323661 - 0.448848I$		
$u = -0.880427 - 0.572298I$		
$a = -0.049833 + 0.547892I$	$-4.66504 - 3.72932I$	0
$b = 0.323661 + 0.448848I$		
$u = 0.845795 + 0.633543I$		
$a = 0.564688 + 0.294872I$	$1.05971 + 2.93819I$	0
$b = 0.587663 + 0.436303I$		
$u = 0.845795 - 0.633543I$		
$a = 0.564688 - 0.294872I$	$1.05971 - 2.93819I$	0
$b = 0.587663 - 0.436303I$		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = 0.881992 + 0.588045I$		
$a = 0.054193 - 0.456185I$	$-2.57032 + 2.58753I$	0
$b = -0.576587 - 0.134071I$		
$u = 0.881992 - 0.588045I$		
$a = 0.054193 + 0.456185I$	$-2.57032 - 2.58753I$	0
$b = -0.576587 + 0.134071I$		
$u = 0.301316 + 0.886369I$		
$a = 0.182491 + 0.204939I$	$-0.58432 + 1.86220I$	0
$b = -0.214326 + 0.398617I$		
$u = 0.301316 - 0.886369I$		
$a = 0.182491 - 0.204939I$	$-0.58432 - 1.86220I$	0
$b = -0.214326 - 0.398617I$		
$u = -0.782451 + 0.502344I$		
$a = -0.567424 + 1.000280I$	$-1.99261 - 6.01306I$	0
$b = -0.540958 - 0.208296I$		
$u = -0.782451 - 0.502344I$		
$a = -0.567424 - 1.000280I$	$-1.99261 + 6.01306I$	0
$b = -0.540958 + 0.208296I$		
$u = 0.919012 + 0.570141I$		
$a = -0.207431 + 0.457950I$	$-0.76501 - 9.68728I$	0
$b = 0.371977 + 0.477396I$		
$u = 0.919012 - 0.570141I$		
$a = -0.207431 - 0.457950I$	$-0.76501 + 9.68728I$	0
$b = 0.371977 - 0.477396I$		
$u = -0.370483 + 0.808138I$		
$a = 0.214317 - 1.287740I$	$1.27250 + 4.48458I$	0
$b = -0.121966 - 0.078133I$		
$u = -0.370483 - 0.808138I$		
$a = 0.214317 + 1.287740I$	$1.27250 - 4.48458I$	0
$b = -0.121966 + 0.078133I$		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = -0.402766 + 0.783717I$		
$a = 0.012063 + 0.733731I$	$-0.65449 - 2.56138I$	0
$b = -0.423670 - 1.059380I$		
$u = -0.402766 - 0.783717I$		
$a = 0.012063 - 0.733731I$	$-0.65449 + 2.56138I$	0
$b = -0.423670 + 1.059380I$		
$u = 0.785549 + 0.331316I$		
$a = 0.209417 - 0.240366I$	$2.34000 + 2.19166I$	0
$b = -0.109209 + 0.642695I$		
$u = 0.785549 - 0.331316I$		
$a = 0.209417 + 0.240366I$	$2.34000 - 2.19166I$	0
$b = -0.109209 - 0.642695I$		
$u = -0.659761 + 0.535821I$		
$a = 0.278189 + 0.370634I$	$-2.29633 + 1.12360I$	0
$b = -0.712055 + 0.496101I$		
$u = -0.659761 - 0.535821I$		
$a = 0.278189 - 0.370634I$	$-2.29633 - 1.12360I$	0
$b = -0.712055 - 0.496101I$		
$u = 0.645870 + 0.545359I$		
$a = 0.500659 + 0.937110I$	$-0.07189 + 2.85317I$	0
$b = 0.087253 + 0.371968I$		
$u = 0.645870 - 0.545359I$		
$a = 0.500659 - 0.937110I$	$-0.07189 - 2.85317I$	0
$b = 0.087253 - 0.371968I$		
$u = -0.414681 + 0.614320I$		
$a = -1.173390 + 0.020581I$	$-2.15798 - 3.91536I$	0
$b = -0.710045 - 0.116799I$		
$u = -0.414681 - 0.614320I$		
$a = -1.173390 - 0.020581I$	$-2.15798 + 3.91536I$	0
$b = -0.710045 + 0.116799I$		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = -0.696492 + 0.241114I$		
$a = 1.203250 - 0.005069I$	$1.00024 - 1.42873I$	0
$b = 0.005953 - 0.293743I$		
$u = -0.696492 - 0.241114I$		
$a = 1.203250 + 0.005069I$	$1.00024 + 1.42873I$	0
$b = 0.005953 + 0.293743I$		
$u = 0.649828 + 0.339284I$		
$a = 0.488675 + 0.264243I$	$0.56143 + 1.38537I$	0
$b = 1.038040 - 0.008671I$		
$u = 0.649828 - 0.339284I$		
$a = 0.488675 - 0.264243I$	$0.56143 - 1.38537I$	0
$b = 1.038040 + 0.008671I$		
$u = -0.615624 + 0.251939I$		
$a = 0.863900 - 0.556432I$	$5.81429 + 1.43027I$	0
$b = 0.518522 + 0.525567I$		
$u = -0.615624 - 0.251939I$		
$a = 0.863900 + 0.556432I$	$5.81429 - 1.43027I$	0
$b = 0.518522 - 0.525567I$		
$u = -0.363995 + 0.529843I$		
$a = 0.068291 + 0.292945I$	$-2.05598 + 1.17146I$	0
$b = -0.697896 + 0.795322I$		
$u = -0.363995 - 0.529843I$		
$a = 0.068291 - 0.292945I$	$-2.05598 - 1.17146I$	0
$b = -0.697896 - 0.795322I$		
$u = -0.577464 + 0.275522I$		
$a = 0.367696 - 0.624397I$	$2.86659 - 7.96547I$	0
$b = 1.182590 + 0.583160I$		
$u = -0.577464 - 0.275522I$		
$a = 0.367696 + 0.624397I$	$2.86659 + 7.96547I$	0
$b = 1.182590 - 0.583160I$		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = 0.011086 + 1.362460I$		
$a = -1.74360 - 1.02253I$	$-1.47440 - 3.20190I$	0
$b = 2.58269 + 1.40945I$		
$u = 0.011086 - 1.362460I$		
$a = -1.74360 + 1.02253I$	$-1.47440 + 3.20190I$	0
$b = 2.58269 - 1.40945I$		
$u = 0.613954 + 0.160874I$		
$a = -1.24264 - 1.97486I$	$2.48344 + 6.68813I$	0
$b = -0.279995 + 0.036511I$		
$u = 0.613954 - 0.160874I$		
$a = -1.24264 + 1.97486I$	$2.48344 - 6.68813I$	0
$b = -0.279995 - 0.036511I$		
$u = 0.512043 + 0.322084I$		
$a = 0.801982 + 0.116758I$	$0.90298 + 1.17967I$	0
$b = 0.503416 + 0.149811I$		
$u = 0.512043 - 0.322084I$		
$a = 0.801982 - 0.116758I$	$0.90298 - 1.17967I$	0
$b = 0.503416 - 0.149811I$		
$u = -0.159027 + 1.388920I$		
$a = 0.886144 - 0.204515I$	$-3.99702 - 4.37393I$	0
$b = -1.75051 - 0.51269I$		
$u = -0.159027 - 1.388920I$		
$a = 0.886144 + 0.204515I$	$-3.99702 + 4.37393I$	0
$b = -1.75051 + 0.51269I$		
$u = -0.078233 + 1.396290I$		
$a = -1.74441 + 0.41548I$	$-6.12205 - 1.05917I$	0
$b = 2.14122 - 0.79943I$		
$u = -0.078233 - 1.396290I$		
$a = -1.74441 - 0.41548I$	$-6.12205 + 1.05917I$	0
$b = 2.14122 + 0.79943I$		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = 0.599831 + 0.040076I$		
$a = 1.190960 - 0.274972I$	$1.67251 + 2.09370I$	0
$b = -0.039198 + 0.415994I$		
$u = 0.599831 - 0.040076I$		
$a = 1.190960 + 0.274972I$	$1.67251 - 2.09370I$	0
$b = -0.039198 - 0.415994I$		
$u = 0.144519 + 1.393790I$		
$a = -2.15037 - 0.16683I$	$-2.41754 + 9.23186I$	0
$b = 3.82249 - 0.00908I$		
$u = 0.144519 - 1.393790I$		
$a = -2.15037 + 0.16683I$	$-2.41754 - 9.23186I$	0
$b = 3.82249 + 0.00908I$		
$u = -0.159444 + 1.398360I$		
$a = 1.66404 + 0.32023I$	$0.572053 - 1.261620I$	0
$b = -2.27102 - 0.59587I$		
$u = -0.159444 - 1.398360I$		
$a = 1.66404 - 0.32023I$	$0.572053 + 1.261620I$	0
$b = -2.27102 + 0.59587I$		
$u = 0.002679 + 1.413300I$		
$a = 0.189723 + 0.121423I$	$-1.90797 + 2.82831I$	0
$b = -0.524514 + 1.073580I$		
$u = 0.002679 - 1.413300I$		
$a = 0.189723 - 0.121423I$	$-1.90797 - 2.82831I$	0
$b = -0.524514 - 1.073580I$		
$u = 0.20342 + 1.41117I$		
$a = -1.012290 + 0.105557I$	$-3.04588 + 5.60141I$	0
$b = 1.146200 + 0.258691I$		
$u = 0.20342 - 1.41117I$		
$a = -1.012290 - 0.105557I$	$-3.04588 - 5.60141I$	0
$b = 1.146200 - 0.258691I$		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = 0.16790 + 1.42579I$	$-5.01431 + 4.23456I$	0
$a = 2.09350 + 0.28074I$		
$b = -2.61565 + 0.16346I$		
$u = 0.16790 - 1.42579I$	$-5.01431 - 4.23456I$	0
$a = 2.09350 - 0.28074I$		
$b = -2.61565 - 0.16346I$		
$u = -0.15288 + 1.43683I$	$-2.66393 - 10.46700I$	0
$a = 2.50034 + 0.20967I$		
$b = -2.97643 - 0.51409I$		
$u = -0.15288 - 1.43683I$	$-2.66393 + 10.46700I$	0
$a = 2.50034 - 0.20967I$		
$b = -2.97643 + 0.51409I$		
$u = -0.339278 + 0.416126I$	$-1.96611 - 3.88117I$	$-7.85296 + 9.48396I$
$a = -2.17221 + 0.08923I$		
$b = -0.614615 + 0.091771I$		
$u = -0.339278 - 0.416126I$	$-1.96611 + 3.88117I$	$-7.85296 - 9.48396I$
$a = -2.17221 - 0.08923I$		
$b = -0.614615 - 0.091771I$		
$u = -1.19148 + 0.85231I$	$2.99437 - 4.05829I$	0
$a = -0.099600 + 0.135325I$		
$b = -0.248930 + 0.045305I$		
$u = -1.19148 - 0.85231I$	$2.99437 + 4.05829I$	0
$a = -0.099600 - 0.135325I$		
$b = -0.248930 - 0.045305I$		
$u = 0.13978 + 1.45948I$	$-4.92661 + 3.43848I$	0
$a = 1.39508 + 0.29976I$		
$b = -2.13322 + 0.18996I$		
$u = 0.13978 - 1.45948I$	$-4.92661 - 3.43848I$	0
$a = 1.39508 - 0.29976I$		
$b = -2.13322 - 0.18996I$		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = -0.04326 + 1.47620I$		
$a = 0.95565 - 1.80194I$	$-8.78089 - 3.47176I$	0
$b = -1.31941 + 1.36860I$		
$u = -0.04326 - 1.47620I$		
$a = 0.95565 + 1.80194I$	$-8.78089 + 3.47176I$	0
$b = -1.31941 - 1.36860I$		
$u = 0.01351 + 1.48077I$		
$a = -1.387630 + 0.095475I$	$-7.98025 - 0.12386I$	0
$b = 2.06095 - 1.14207I$		
$u = 0.01351 - 1.48077I$		
$a = -1.387630 - 0.095475I$	$-7.98025 + 0.12386I$	0
$b = 2.06095 + 1.14207I$		
$u = -0.08357 + 1.47991I$		
$a = -2.03859 - 0.34510I$	$-8.17057 - 5.30912I$	0
$b = 3.42322 + 1.22186I$		
$u = -0.08357 - 1.47991I$		
$a = -2.03859 + 0.34510I$	$-8.17057 + 5.30912I$	0
$b = 3.42322 - 1.22186I$		
$u = -0.04842 + 1.48526I$		
$a = 1.16217 - 1.00881I$	$-5.90082 - 8.50106I$	0
$b = -2.12740 + 2.70114I$		
$u = -0.04842 - 1.48526I$		
$a = 1.16217 + 1.00881I$	$-5.90082 + 8.50106I$	0
$b = -2.12740 - 2.70114I$		
$u = 0.04934 + 1.48620I$		
$a = -1.95966 + 0.85257I$	$-7.54314 + 3.73004I$	0
$b = 2.76707 - 0.63128I$		
$u = 0.04934 - 1.48620I$		
$a = -1.95966 - 0.85257I$	$-7.54314 - 3.73004I$	0
$b = 2.76707 + 0.63128I$		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = -0.002750 + 0.503827I$		
$a = 2.32769 + 2.38667I$	$-3.65445 + 2.01067I$	$-16.9425 - 2.9920I$
$b = -0.015462 - 0.441723I$		
$u = -0.002750 - 0.503827I$		
$a = 2.32769 - 2.38667I$	$-3.65445 - 2.01067I$	$-16.9425 + 2.9920I$
$b = -0.015462 + 0.441723I$		
$u = -0.03679 + 1.50398I$		
$a = -1.80947 - 0.64392I$	$-8.67360 - 1.09683I$	0
$b = 2.48538 + 0.23724I$		
$u = -0.03679 - 1.50398I$		
$a = -1.80947 + 0.64392I$	$-8.67360 + 1.09683I$	0
$b = 2.48538 - 0.23724I$		
$u = 0.149193 + 0.469925I$		
$a = 0.250751 - 0.938106I$	$-0.23888 + 7.86583I$	$-8.95712 - 10.69616I$
$b = 1.29066 + 1.27443I$		
$u = 0.149193 - 0.469925I$		
$a = 0.250751 + 0.938106I$	$-0.23888 - 7.86583I$	$-8.95712 + 10.69616I$
$b = 1.29066 - 1.27443I$		
$u = 0.05556 + 1.50776I$		
$a = 1.61208 + 1.50841I$	$-6.84902 + 8.67644I$	0
$b = -2.11858 - 1.14663I$		
$u = 0.05556 - 1.50776I$		
$a = 1.61208 - 1.50841I$	$-6.84902 - 8.67644I$	0
$b = -2.11858 + 1.14663I$		
$u = 0.01681 + 1.51070I$		
$a = 1.51137 + 0.84635I$	$-10.36880 + 2.17523I$	0
$b = -2.83678 - 2.17734I$		
$u = 0.01681 - 1.51070I$		
$a = 1.51137 - 0.84635I$	$-10.36880 - 2.17523I$	0
$b = -2.83678 + 2.17734I$		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = -0.02686 + 1.51709I$		
$a = -1.69096 + 1.03137I$	$-8.98511 + 0.25144I$	0
$b = 2.24639 - 0.95207I$		
$u = -0.02686 - 1.51709I$		
$a = -1.69096 - 1.03137I$	$-8.98511 - 0.25144I$	0
$b = 2.24639 + 0.95207I$		
$u = -0.27396 + 1.51191I$		
$a = -1.065490 + 0.721316I$	$-8.77771 - 2.39234I$	0
$b = 1.65870 - 0.54965I$		
$u = -0.27396 - 1.51191I$		
$a = -1.065490 - 0.721316I$	$-8.77771 + 2.39234I$	0
$b = 1.65870 + 0.54965I$		
$u = -0.02930 + 1.55208I$		
$a = -1.57364 - 0.91840I$	$-8.45921 - 3.53543I$	0
$b = 2.04533 + 0.77832I$		
$u = -0.02930 - 1.55208I$		
$a = -1.57364 + 0.91840I$	$-8.45921 + 3.53543I$	0
$b = 2.04533 - 0.77832I$		
$u = 0.24475 + 1.53419I$		
$a = 1.275070 + 0.460213I$	$-6.86736 + 6.22232I$	0
$b = -2.42370 - 0.55813I$		
$u = 0.24475 - 1.53419I$		
$a = 1.275070 - 0.460213I$	$-6.86736 - 6.22232I$	0
$b = -2.42370 + 0.55813I$		
$u = 0.02696 + 1.55350I$		
$a = 1.331580 - 0.387022I$	$-6.99520 + 4.12836I$	0
$b = -2.37229 + 1.10929I$		
$u = 0.02696 - 1.55350I$		
$a = 1.331580 + 0.387022I$	$-6.99520 - 4.12836I$	0
$b = -2.37229 - 1.10929I$		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = -0.27441 + 1.53613I$		
$a = -1.79612 + 0.02907I$	$-8.66548 - 9.89629I$	0
$b = 2.82489 + 0.15516I$		
$u = -0.27441 - 1.53613I$		
$a = -1.79612 - 0.02907I$	$-8.66548 + 9.89629I$	0
$b = 2.82489 - 0.15516I$		
$u = -0.129810 + 0.419122I$		
$a = -0.90541 + 1.63988I$	$-2.20034 - 0.51145I$	$-10.54171 - 3.12088I$
$b = -0.719659 - 0.794911I$		
$u = -0.129810 - 0.419122I$		
$a = -0.90541 - 1.63988I$	$-2.20034 + 0.51145I$	$-10.54171 + 3.12088I$
$b = -0.719659 + 0.794911I$		
$u = -0.16631 + 1.56922I$		
$a = -1.84655 - 0.27700I$	$-9.53924 - 6.26121I$	0
$b = 2.91304 + 0.80603I$		
$u = -0.16631 - 1.56922I$		
$a = -1.84655 + 0.27700I$	$-9.53924 + 6.26121I$	0
$b = 2.91304 - 0.80603I$		
$u = 0.27314 + 1.56711I$		
$a = 1.53347 + 0.17871I$	$-6.11859 + 6.98842I$	0
$b = -2.69322 + 0.39570I$		
$u = 0.27314 - 1.56711I$		
$a = 1.53347 - 0.17871I$	$-6.11859 - 6.98842I$	0
$b = -2.69322 - 0.39570I$		
$u = -0.27503 + 1.56700I$		
$a = 1.75338 - 0.06534I$	$-11.9244 - 13.3505I$	0
$b = -2.78582 - 0.45380I$		
$u = -0.27503 - 1.56700I$		
$a = 1.75338 + 0.06534I$	$-11.9244 + 13.3505I$	0
$b = -2.78582 + 0.45380I$		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = 0.28254 + 1.57247I$		
$a = 1.78600 - 0.02515I$	$-8.1103 + 19.5477I$	0
$b = -2.82696 + 0.51833I$		
$u = 0.28254 - 1.57247I$		
$a = 1.78600 + 0.02515I$	$-8.1103 - 19.5477I$	0
$b = -2.82696 - 0.51833I$		
$u = 0.26915 + 1.58076I$		
$a = -1.58925 - 0.10118I$	$-10.01570 + 7.18294I$	0
$b = 2.44552 - 0.13609I$		
$u = 0.26915 - 1.58076I$		
$a = -1.58925 + 0.10118I$	$-10.01570 - 7.18294I$	0
$b = 2.44552 + 0.13609I$		
$u = 0.28356 + 1.58476I$		
$a = -1.299760 - 0.257756I$	$-9.75896 + 6.86286I$	0
$b = 2.00561 + 0.01852I$		
$u = 0.28356 - 1.58476I$		
$a = -1.299760 + 0.257756I$	$-9.75896 - 6.86286I$	0
$b = 2.00561 - 0.01852I$		
$u = 0.114893 + 0.357825I$		
$a = -2.01526 - 1.07058I$	$-1.33203 + 3.04555I$	$-5.86875 - 6.87636I$
$b = -0.681152 + 0.998277I$		
$u = 0.114893 - 0.357825I$		
$a = -2.01526 + 1.07058I$	$-1.33203 - 3.04555I$	$-5.86875 + 6.87636I$
$b = -0.681152 - 0.998277I$		
$u = -0.27713 + 1.60094I$		
$a = 1.009440 - 0.370641I$	$-11.91210 - 0.60022I$	0
$b = -1.79791 + 0.34651I$		
$u = -0.27713 - 1.60094I$		
$a = 1.009440 + 0.370641I$	$-11.91210 + 0.60022I$	0
$b = -1.79791 - 0.34651I$		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = -0.131261 + 0.349208I$	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	
$a = 1.71716 - 5.02126I$	$0.27748 - 7.80456I$	$-10.0473 + 15.4807I$
$b = 0.007135 + 0.538342I$		
$u = -0.131261 - 0.349208I$		
$a = 1.71716 + 5.02126I$	$0.27748 + 7.80456I$	$-10.0473 - 15.4807I$
$b = 0.007135 - 0.538342I$		
$u = 0.20239 + 1.62346I$		
$a = -1.59932 + 0.39885I$	$-9.18549 + 8.93541I$	0
$b = 2.49299 - 0.93396I$		
$u = 0.20239 - 1.62346I$		
$a = -1.59932 - 0.39885I$	$-9.18549 - 8.93541I$	0
$b = 2.49299 + 0.93396I$		
$u = -0.170594 + 0.294674I$		
$a = 0.87129 + 1.12273I$	$-2.80159 - 2.76069I$	$-10.6385 + 14.5729I$
$b = 0.76290 - 1.58100I$		
$u = -0.170594 - 0.294674I$		
$a = 0.87129 - 1.12273I$	$-2.80159 + 2.76069I$	$-10.6385 - 14.5729I$
$b = 0.76290 + 1.58100I$		
$u = 0.28509 + 1.64694I$		
$a = 0.866929 + 0.347649I$	$-8.17833 - 5.02771I$	0
$b = -1.51633 - 0.28537I$		
$u = 0.28509 - 1.64694I$		
$a = 0.866929 - 0.347649I$	$-8.17833 + 5.02771I$	0
$b = -1.51633 + 0.28537I$		
$u = -0.029024 + 0.316489I$		
$a = -1.19753 + 3.06941I$	$-1.91054 - 0.20378I$	$-9.98005 + 1.13945I$
$b = -0.665602 - 0.558870I$		
$u = -0.029024 - 0.316489I$		
$a = -1.19753 - 3.06941I$	$-1.91054 + 0.20378I$	$-9.98005 - 1.13945I$
$b = -0.665602 + 0.558870I$		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = -0.30637 + 1.65978I$		
$a = -0.946117 - 0.183118I$	$-5.37186 - 9.32028I$	0
$b = 1.54528 + 0.60575I$		
$u = -0.30637 - 1.65978I$		
$a = -0.946117 + 0.183118I$	$-5.37186 + 9.32028I$	0
$b = 1.54528 - 0.60575I$		
$u = -0.230136$		
$a = 2.72654$	-1.47401	-7.26200
$b = -0.845972$		
$u = -0.0764042 + 0.0179609I$		
$a = -10.8740 - 12.0224I$	$2.97615 + 2.97617I$	$6.03236 - 2.34474I$
$b = -0.399482 + 0.864665I$		
$u = -0.0764042 - 0.0179609I$		
$a = -10.8740 + 12.0224I$	$2.97615 - 2.97617I$	$6.03236 + 2.34474I$
$b = -0.399482 - 0.864665I$		

$$\text{II. } I_2^u = \\ \langle 2.05 \times 10^{13} u^{33} - 2.75 \times 10^{14} u^{32} + \dots + 6.73 \times 10^{14} b - 6.52 \times 10^{13}, 5.28 \times 10^{14} u^{33} + 2.98 \times 10^{14} u^{32} + \dots + 6.73 \times 10^{14} a + 2.53 \times 10^{15}, u^{34} + 18u^{32} + \dots + 2u + 1 \rangle$$

(i) Arc colorings

$$a_7 = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$

$$a_{11} = \begin{pmatrix} 0 \\ u \end{pmatrix}$$

$$a_6 = \begin{pmatrix} 1 \\ u^2 \end{pmatrix}$$

$$a_3 = \begin{pmatrix} -0.784196u^{33} - 0.441937u^{32} + \dots - 3.17647u - 3.76054 \\ -0.0304434u^{33} + 0.408636u^{32} + \dots - 0.785232u + 0.0968671 \end{pmatrix}$$

$$a_{12} = \begin{pmatrix} u \\ u^3 + u \end{pmatrix}$$

$$a_4 = \begin{pmatrix} -1.12387u^{33} + 0.182378u^{32} + \dots - 1.77297u - 3.21512 \\ 0.415872u^{33} + 0.405597u^{32} + \dots - 0.290691u + 0.0179715 \end{pmatrix}$$

$$a_5 = \begin{pmatrix} -0.194085u^{33} + 0.401120u^{32} + \dots - 3.08724u + 1.04965 \\ 0.0317780u^{33} - 0.513316u^{32} + \dots - 1.55479u + 0.156733 \end{pmatrix}$$

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

$$a_2 = \begin{pmatrix} -1.46786u^{33} - 0.283442u^{32} + \dots - 4.05771u - 3.79384 \\ 0.653220u^{33} + 0.250141u^{32} + \dots + 0.0960079u + 0.130167 \end{pmatrix}$$

$$a_8 = \begin{pmatrix} 2.28345u^{33} - 1.07653u^{32} + \dots + 1.74237u - 0.642498 \\ -1.18448u^{33} + 0.501430u^{32} + \dots - 1.92968u + 1.47950 \end{pmatrix}$$

$$a_1 = \begin{pmatrix} -1.08573u^{33} - 0.678426u^{32} + \dots - 6.97850u + 0.904777 \\ -0.0432217u^{33} + 0.549395u^{32} + \dots + 1.87265u - 0.471583 \end{pmatrix}$$

$$a_9 = \begin{pmatrix} -1.42406u^{33} + 0.214879u^{32} + \dots - 5.54292u - 2.73659 \\ 0.127175u^{33} + 0.490092u^{32} + \dots + 2.92140u + 0.808714 \end{pmatrix}$$

(ii) Obstruction class = 1

(iii) Cusp Shapes

$$= \frac{374181169371643}{673397680793441} u^{33} - \frac{51522030673023}{673397680793441} u^{32} + \dots + \frac{1392673442680760}{673397680793441} u + \frac{580167133223485}{673397680793441}$$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1	$u^{34} - 15u^{33} + \cdots + 4u + 1$
c_2	$u^{34} + u^{33} + \cdots + 8u^2 + 1$
c_3	$u^{34} - 5u^{33} + \cdots + 61u + 13$
c_4	$u^{34} - u^{32} + \cdots - u^2 + 1$
c_5	$u^{34} + 13u^{33} + \cdots + 14u + 1$
c_6	$u^{34} + 18u^{32} + \cdots + 2u + 1$
c_7	$u^{34} - u^{33} + \cdots + 2u + 1$
c_8	$u^{34} + u^{33} + \cdots + u + 1$
c_9	$u^{34} + 9u^{32} + \cdots - u + 1$
c_{10}, c_{11}	$u^{34} + 18u^{32} + \cdots - 2u + 1$
c_{12}	$u^{34} - u^{33} + \cdots - u + 1$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1	$y^{34} - 15y^{33} + \cdots - 26y + 1$
c_2	$y^{34} + 17y^{33} + \cdots + 16y + 1$
c_3	$y^{34} - 17y^{33} + \cdots - 2161y + 169$
c_4	$y^{34} - 2y^{33} + \cdots - 2y + 1$
c_5	$y^{34} - 5y^{33} + \cdots - 14y + 1$
c_6, c_{10}, c_{11}	$y^{34} + 36y^{33} + \cdots + 24y + 1$
c_7	$y^{34} + 29y^{33} + \cdots + 26y + 1$
c_8, c_{12}	$y^{34} + 31y^{33} + \cdots + 11y + 1$
c_9	$y^{34} + 18y^{33} + \cdots - 13y + 1$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_2^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = -0.050149 + 1.080630I$		
$a = 0.558112 - 0.632588I$	$0.85767 + 2.68073I$	$2.65649 - 2.24463I$
$b = -1.06739 + 1.65093I$		
$u = -0.050149 - 1.080630I$		
$a = 0.558112 + 0.632588I$	$0.85767 - 2.68073I$	$2.65649 + 2.24463I$
$b = -1.06739 - 1.65093I$		
$u = -0.849388 + 0.672851I$		
$a = -0.485925 + 0.297958I$	$0.91656 - 2.97982I$	$-21.3615 + 18.4493I$
$b = -0.477027 + 0.402807I$		
$u = -0.849388 - 0.672851I$		
$a = -0.485925 - 0.297958I$	$0.91656 + 2.97982I$	$-21.3615 - 18.4493I$
$b = -0.477027 - 0.402807I$		
$u = 0.592743 + 0.630762I$		
$a = -0.857092 - 0.570157I$	$-1.37198 + 4.99600I$	$-3.59435 - 5.55838I$
$b = -0.557373 + 0.308256I$		
$u = 0.592743 - 0.630762I$		
$a = -0.857092 + 0.570157I$	$-1.37198 - 4.99600I$	$-3.59435 + 5.55838I$
$b = -0.557373 - 0.308256I$		
$u = -0.467438 + 0.715973I$		
$a = 0.055006 + 0.746532I$	$-1.51256 - 1.74783I$	$-7.39460 + 3.09836I$
$b = -0.103357 - 0.354613I$		
$u = -0.467438 - 0.715973I$		
$a = 0.055006 - 0.746532I$	$-1.51256 + 1.74783I$	$-7.39460 - 3.09836I$
$b = -0.103357 + 0.354613I$		
$u = -0.134263 + 0.785669I$		
$a = -1.12712 - 1.26754I$	$1.96774 - 3.29644I$	$-0.01860 + 3.76880I$
$b = 0.151364 + 0.263874I$		
$u = -0.134263 - 0.785669I$		
$a = -1.12712 + 1.26754I$	$1.96774 + 3.29644I$	$-0.01860 - 3.76880I$
$b = 0.151364 - 0.263874I$		

Solutions to I_2^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = 0.200452 + 0.751911I$		
$a = -0.011074 - 0.160901I$	$-1.51373 - 1.91428I$	$-4.59715 + 3.70449I$
$b = -0.829886 - 0.701876I$		
$u = 0.200452 - 0.751911I$		
$a = -0.011074 + 0.160901I$	$-1.51373 + 1.91428I$	$-4.59715 - 3.70449I$
$b = -0.829886 + 0.701876I$		
$u = -0.323827 + 0.698155I$		
$a = -0.155502 + 0.647525I$	$-1.65916 - 1.62456I$	$-8.63993 + 3.64820I$
$b = -0.574162 - 0.607817I$		
$u = -0.323827 - 0.698155I$		
$a = -0.155502 - 0.647525I$	$-1.65916 + 1.62456I$	$-8.63993 - 3.64820I$
$b = -0.574162 + 0.607817I$		
$u = 0.111447 + 1.377410I$		
$a = 1.44684 + 1.15811I$	$-6.74261 + 3.46575I$	$-8.50814 - 3.55598I$
$b = -2.16965 - 0.92077I$		
$u = 0.111447 - 1.377410I$		
$a = 1.44684 - 1.15811I$	$-6.74261 - 3.46575I$	$-8.50814 + 3.55598I$
$b = -2.16965 + 0.92077I$		
$u = -0.098705 + 1.379750I$		
$a = 2.06677 - 0.91536I$	$-3.52417 - 8.60502I$	$-6.80536 + 6.62951I$
$b = -3.09713 + 1.29826I$		
$u = -0.098705 - 1.379750I$		
$a = 2.06677 + 0.91536I$	$-3.52417 + 8.60502I$	$-6.80536 - 6.62951I$
$b = -3.09713 - 1.29826I$		
$u = 1.102000 + 0.886127I$		
$a = 0.093369 - 0.184609I$	$3.09564 + 3.87217I$	$8.26686 + 10.56624I$
$b = 0.165485 + 0.282525I$		
$u = 1.102000 - 0.886127I$		
$a = 0.093369 + 0.184609I$	$3.09564 - 3.87217I$	$8.26686 - 10.56624I$
$b = 0.165485 - 0.282525I$		

Solutions to I_2^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = -0.01635 + 1.50401I$		
$a = -1.020430 - 0.761407I$	$-9.09667 - 2.04354I$	$-11.30380 + 2.56759I$
$b = 1.54351 + 0.27104I$		
$u = -0.01635 - 1.50401I$		
$a = -1.020430 + 0.761407I$	$-9.09667 + 2.04354I$	$-11.30380 - 2.56759I$
$b = 1.54351 - 0.27104I$		
$u = -0.02843 + 1.52417I$		
$a = -1.86924 - 0.37582I$	$-8.88561 - 2.28821I$	$-11.10986 + 0.I$
$b = 2.68194 + 0.21544I$		
$u = -0.02843 - 1.52417I$		
$a = -1.86924 + 0.37582I$	$-8.88561 + 2.28821I$	$-11.10986 + 0.I$
$b = 2.68194 - 0.21544I$		
$u = 0.04427 + 1.54980I$		
$a = 0.287181 + 0.091111I$	$-6.14558 + 6.86008I$	$-6.94133 - 5.61399I$
$b = -0.305424 + 0.709925I$		
$u = 0.04427 - 1.54980I$		
$a = 0.287181 - 0.091111I$	$-6.14558 - 6.86008I$	$-6.94133 + 5.61399I$
$b = -0.305424 - 0.709925I$		
$u = -0.25332 + 1.56977I$		
$a = -1.46344 + 0.15883I$	$-6.45104 - 6.86437I$	0
$b = 2.61729 + 0.22435I$		
$u = -0.25332 - 1.56977I$		
$a = -1.46344 - 0.15883I$	$-6.45104 + 6.86437I$	0
$b = 2.61729 - 0.22435I$		
$u = 0.22453 + 1.59292I$		
$a = -1.67536 + 0.21937I$	$-8.87362 + 8.20730I$	0
$b = 2.58655 - 0.59098I$		
$u = 0.22453 - 1.59292I$		
$a = -1.67536 - 0.21937I$	$-8.87362 - 8.20730I$	0
$b = 2.58655 + 0.59098I$		

Solutions to I_2^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = -0.225771 + 0.219829I$		
$a = -3.98660 - 0.14851I$	$0.66190 + 7.39119I$	$0.87593 - 3.89767I$
$b = 0.703549 + 0.590300I$		
$u = -0.225771 - 0.219829I$		
$a = -3.98660 + 0.14851I$	$0.66190 - 7.39119I$	$0.87593 + 3.89767I$
$b = 0.703549 - 0.590300I$		
$u = 0.172193 + 0.259880I$		
$a = -2.35550 - 0.01078I$	$-2.71573 - 2.25151I$	$-7.22080 + 0.25597I$
$b = 0.231721 - 1.135250I$		
$u = 0.172193 - 0.259880I$		
$a = -2.35550 + 0.01078I$	$-2.71573 + 2.25151I$	$-7.22080 - 0.25597I$
$b = 0.231721 + 1.135250I$		

III. u-Polynomials

Crossings	u-Polynomials at each crossing
c_1	$(u^{34} - 15u^{33} + \dots + 4u + 1)(u^{145} + 6u^{144} + \dots - 16u + 1)$
c_2	$(u^{34} + u^{33} + \dots + 8u^2 + 1)$ $\cdot (u^{145} + 4u^{144} + \dots + 185515060u + 38279399)$
c_3	$(u^{34} - 5u^{33} + \dots + 61u + 13)$ $\cdot (u^{145} - 35u^{143} + \dots - 85631889u + 14144791)$
c_4	$(u^{34} - u^{32} + \dots - u^2 + 1)(u^{145} + u^{144} + \dots + 2u + 1)$
c_5	$(u^{34} + 13u^{33} + \dots + 14u + 1)$ $\cdot (u^{145} + 12u^{144} + \dots - 13174228u + 7328689)$
c_6	$(u^{34} + 18u^{32} + \dots + 2u + 1)(u^{145} - 3u^{144} + \dots + 30u + 1)$
c_7	$(u^{34} - u^{33} + \dots + 2u + 1)$ $\cdot (u^{145} - 2u^{144} + \dots + 14370450736u + 2642976587)$
c_8	$(u^{34} + u^{33} + \dots + u + 1)(u^{145} + 49u^{143} + \dots + 1759u + 541)$
c_9	$(u^{34} + 9u^{32} + \dots - u + 1)(u^{145} - u^{144} + \dots + 962205u + 328951)$
c_{10}, c_{11}	$(u^{34} + 18u^{32} + \dots - 2u + 1)(u^{145} - 3u^{144} + \dots + 30u + 1)$
c_{12}	$(u^{34} - u^{33} + \dots - u + 1)(u^{145} + 49u^{143} + \dots + 1759u + 541)$

IV. Riley Polynomials

Crossings	Riley Polynomials at each crossing
c_1	$(y^{34} - 15y^{33} + \dots - 26y + 1)(y^{145} - 16y^{144} + \dots - 758y - 1)$
c_2	$(y^{34} + 17y^{33} + \dots + 16y + 1)$ $\cdot (y^{145} + 64y^{144} + \dots - 46211062606405672y - 1465312387801201)$
c_3	$(y^{34} - 17y^{33} + \dots - 2161y + 169)$ $\cdot (y^{145} - 70y^{144} + \dots + 9065639520733613y - 200075112433681)$
c_4	$(y^{34} - 2y^{33} + \dots - 2y + 1)(y^{145} + y^{144} + \dots - 30y - 1)$
c_5	$(y^{34} - 5y^{33} + \dots - 14y + 1)$ $\cdot (y^{145} - 46y^{144} + \dots + 2078737869821982y - 53709682458721)$
c_6, c_{10}, c_{11}	$(y^{34} + 36y^{33} + \dots + 24y + 1)(y^{145} + 151y^{144} + \dots + 224y - 1)$
c_7	$(y^{34} + 29y^{33} + \dots + 26y + 1)$ $\cdot (y^{145} + 92y^{144} + \dots - 3.02 \times 10^{20}y - 6.99 \times 10^{18})$
c_8, c_{12}	$(y^{34} + 31y^{33} + \dots + 11y + 1)$ $\cdot (y^{145} + 98y^{144} + \dots - 20435091y - 292681)$
c_9	$(y^{34} + 18y^{33} + \dots - 13y + 1)$ $\cdot (y^{145} - 15y^{144} + \dots + 1990900220177y - 108208760401)$