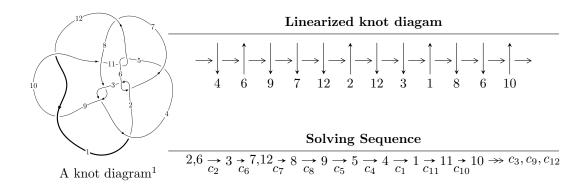
$12n_{0762} \ (K12n_{0762})$



Ideals for irreducible components² of X_{par}

$$\begin{split} I_1^u &= \langle -6.39438 \times 10^{155} u^{61} - 1.83142 \times 10^{156} u^{60} + \dots + 1.27661 \times 10^{155} b + 4.88446 \times 10^{156}, \\ &- 4.08969 \times 10^{156} u^{61} - 1.17222 \times 10^{157} u^{60} + \dots + 1.27661 \times 10^{155} a + 3.11795 \times 10^{157}, \\ &u^{62} + 3u^{61} + \dots - 18u - 1 \rangle \\ I_2^u &= \langle -4390048992u^{27} + 17294455334u^{26} + \dots + 1052877967b - 16499967912, \\ &- 1778777089u^{27} + 10103913125u^{26} + \dots + 1052877967a - 14753500781, \\ &u^{28} - 2u^{27} + \dots - 3u - 1 \rangle \end{split}$$

* 2 irreducible components of $\dim_{\mathbb{C}} = 0$, with total 90 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.
$$I_1^u = \langle -6.39 \times 10^{155} u^{61} - 1.83 \times 10^{156} u^{60} + \dots + 1.28 \times 10^{155} b + 4.88 \times 10^{156}, \ -4.09 \times 10^{156} u^{61} - 1.17 \times 10^{157} u^{60} + \dots + 1.28 \times 10^{155} a + 3.12 \times 10^{157}, \ u^{62} + 3u^{61} + \dots - 18u - 1 \rangle$$

(i) Arc colorings

$$a_{2} = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$

$$a_{6} = \begin{pmatrix} 0 \\ u \end{pmatrix}$$

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

$$a_{7} = \begin{pmatrix} u \\ u \end{pmatrix}$$

$$a_{12} = \begin{pmatrix} 32.0357u^{61} + 91.8228u^{60} + \cdots - 2497.42u - 244.237 \\ 5.00889u^{61} + 14.3460u^{60} + \cdots - 387.238u - 38.2613 \end{pmatrix}$$

$$a_{8} = \begin{pmatrix} -5.65842u^{61} - 16.2812u^{60} + \cdots + 456.306u + 40.1573 \\ 3.01761u^{61} + 8.66285u^{60} + \cdots - 242.152u - 24.6253 \end{pmatrix}$$

$$a_{9} = \begin{pmatrix} -8.58616u^{61} - 24.6845u^{60} + \cdots + 691.623u + 64.0885 \\ 3.06626u^{61} + 8.80184u^{60} + \cdots - 246.062u - 25.0051 \end{pmatrix}$$

$$a_{5} = \begin{pmatrix} 1.10750u^{61} + 3.21521u^{60} + \cdots - 87.7707u - 3.39247 \\ -4.55092u^{61} - 13.0660u^{60} + \cdots + 368.535u + 36.7648 \end{pmatrix}$$

$$a_{4} = \begin{pmatrix} 1.01763u^{61} + 2.95572u^{60} + \cdots - 80.9356u - 2.69839 \\ -4.64079u^{61} - 13.3255u^{60} + \cdots + 375.370u + 37.4589 \end{pmatrix}$$

$$a_{1} = \begin{pmatrix} 14.0757u^{61} + 40.4062u^{60} + \cdots - 1167.51u - 118.139 \\ 3.44249u^{61} + 9.89638u^{60} + \cdots - 294.292u - 28.6685 \end{pmatrix}$$

$$a_{11} = \begin{pmatrix} 32.0357u^{61} + 91.8228u^{60} + \cdots - 2497.42u - 244.237 \\ 4.46323u^{61} + 12.7861u^{60} + \cdots - 342.159u - 33.9771 \end{pmatrix}$$

$$a_{10} = \begin{pmatrix} 18.5714u^{61} + 53.2721u^{60} + \cdots - 1400.80u - 141.560 \\ -0.0553237u^{61} - 0.161959u^{60} + \cdots + 11.9855u - 0.335246 \end{pmatrix}$$

- (ii) Obstruction class = -1
- (iii) Cusp Shapes = $-5.41881u^{61} 15.7513u^{60} + \dots + 462.106u + 47.0844$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1	$u^{62} - 8u^{61} + \dots - 14573u - 2354$
c_2, c_6	$u^{62} - 3u^{61} + \dots + 18u - 1$
c_3, c_8	$u^{62} - u^{61} + \dots - 1064u + 127$
c_4	$u^{62} - 7u^{61} + \dots + 2345u - 631$
c_5,c_{11}	$u^{62} - u^{61} + \dots - 67775u + 24008$
	$u^{62} + 3u^{61} + \dots - 11203u + 18287$
c_{9}, c_{12}	$u^{62} + 5u^{61} + \dots + 7u + 1$
c_{10}	$u^{62} - 13u^{61} + \dots + 690763u - 71359$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1	$y^{62} - 30y^{61} + \dots + 87051763y + 5541316$
c_2, c_6	$y^{62} + 59y^{61} + \dots - 98y + 1$
c_3, c_8	$y^{62} - 57y^{61} + \dots - 252240y + 16129$
c_4	$y^{62} - 95y^{61} + \dots - 19707883y + 398161$
c_5, c_{11}	$y^{62} - 99y^{61} + \dots - 7503268241y + 576384064$
c_7	$y^{62} - 89y^{61} + \dots - 6246385553y + 334414369$
c_9, c_{12}	$y^{62} + 51y^{61} + \dots - 37y + 1$
c_{10}	$y^{62} - 81y^{61} + \dots + 2924033206473y + 5092106881$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.333052 + 0.944555I		
a = 0.389031 - 0.384339I	-0.62353 - 1.46430I	0
b = -0.154212 - 0.620844I		
u = -0.333052 - 0.944555I		
a = 0.389031 + 0.384339I	-0.62353 + 1.46430I	0
b = -0.154212 + 0.620844I		
u = 0.832713 + 0.485235I		
a = -0.254095 + 0.534839I	0.80228 + 3.34364I	0
b = -0.07870 + 1.70723I		
u = 0.832713 - 0.485235I		
a = -0.254095 - 0.534839I	0.80228 - 3.34364I	0
b = -0.07870 - 1.70723I		
u = -0.589027 + 0.853031I		
a = 0.727906 + 0.227126I	-0.90701 - 2.10996I	0
b = 0.309790 - 0.219659I		
u = -0.589027 - 0.853031I		
a = 0.727906 - 0.227126I	-0.90701 + 2.10996I	0
b = 0.309790 + 0.219659I		
u = -0.183155 + 1.090710I		
a = -0.870044 + 0.673371I	-4.41723 - 3.27563I	0
b = -0.590651 + 1.128490I		
u = -0.183155 - 1.090710I		
a = -0.870044 - 0.673371I	-4.41723 + 3.27563I	0
b = -0.590651 - 1.128490I		
u = -0.958678 + 0.626520I		
a = 0.093398 - 0.975017I	0.14869 - 2.80498I	0
b = -0.24619 - 1.53004I		
u = -0.958678 - 0.626520I		
a = 0.093398 + 0.975017I	0.14869 + 2.80498I	0
b = -0.24619 + 1.53004I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.807646 + 0.092651I		
a = -0.386650 + 0.557445I	-5.34851 - 2.44220I	0
b = 0.224777 - 0.223097I		
u = 0.807646 - 0.092651I		
a = -0.386650 - 0.557445I	-5.34851 + 2.44220I	0
b = 0.224777 + 0.223097I		
u = 0.770858		
a = 1.84196	-3.55600	0
b = -0.196952		
u = -0.350668 + 1.211440I		
a = -0.074129 + 0.331633I	-3.91833 - 0.86784I	0
b = 1.006790 + 0.617776I		
u = -0.350668 - 1.211440I		
a = -0.074129 - 0.331633I	-3.91833 + 0.86784I	0
b = 1.006790 - 0.617776I		
u = 0.066377 + 0.729220I		
a = 0.474227 - 0.548295I	-0.903631 - 1.036690I	-6.98552 + 4.12911I
b = -0.416502 - 0.022118I		
u = 0.066377 - 0.729220I		
a = 0.474227 + 0.548295I	-0.903631 + 1.036690I	-6.98552 - 4.12911I
b = -0.416502 + 0.022118I		
u = 0.454755 + 1.195890I		
a = -0.313664 + 0.218835I	-4.85375 + 4.25052I	0
b = -0.336580 + 0.566077I		
u = 0.454755 - 1.195890I		
a = -0.313664 - 0.218835I	-4.85375 - 4.25052I	0
b = -0.336580 - 0.566077I		
u = 0.698392 + 0.177356I		
a = -1.92419 + 0.75830I	-7.74561 + 4.18757I	-4.00000 - 3.79519I
b = 0.236377 + 0.216993I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.698392 - 0.177356I		
a = -1.92419 - 0.75830I	-7.74561 - 4.18757I	-4.00000 + 3.79519I
b = 0.236377 - 0.216993I		
u = 0.459690 + 1.195230I		
a = 0.548483 + 0.114412I	-8.60885 + 7.03690I	0
b = 0.911400 - 0.215151I		
u = 0.459690 - 1.195230I		
a = 0.548483 - 0.114412I	-8.60885 - 7.03690I	0
b = 0.911400 + 0.215151I		
u = 0.435856 + 1.211820I		
a = 0.098938 - 0.576576I	-9.25216 + 1.84332I	0
b = -0.278422 - 1.000790I		
u = 0.435856 - 1.211820I		
a = 0.098938 + 0.576576I	-9.25216 - 1.84332I	0
b = -0.278422 + 1.000790I		
u = 0.696310		
a = 0.539160	-1.50281	-7.64330
b = -0.210110		
u = 0.12810 + 1.44057I		
a = 0.39257 + 1.87823I	-15.6787 + 2.6099I	0
b = 0.23423 + 2.96746I		
u = 0.12810 - 1.44057I		
a = 0.39257 - 1.87823I	-15.6787 - 2.6099I	0
b = 0.23423 - 2.96746I		
u = 0.28124 + 1.49021I		
a = 0.29340 - 1.43793I	-12.38030 - 0.46591I	0
b = 0.35314 - 2.63889I		
u = 0.28124 - 1.49021I		
a = 0.29340 + 1.43793I	-12.38030 + 0.46591I	0
b = 0.35314 + 2.63889I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.14213 + 1.52049I		
a = -0.27464 - 1.43449I	-12.42090 + 1.93692I	0
b = 0.01746 - 2.61143I		
u = 0.14213 - 1.52049I		
a = -0.27464 + 1.43449I	-12.42090 - 1.93692I	0
b = 0.01746 + 2.61143I		
u = 0.26991 + 1.53473I		
a = -0.180066 + 1.299350I	-9.12418 + 3.84227I	0
b = -0.17141 + 2.61130I		
u = 0.26991 - 1.53473I		
a = -0.180066 - 1.299350I	-9.12418 - 3.84227I	0
b = -0.17141 - 2.61130I		
u = -0.08283 + 1.56880I		
a = -1.068300 - 0.728241I	-9.51760 + 5.08658I	0
b = -0.589996 - 1.278450I		
u = -0.08283 - 1.56880I		
a = -1.068300 + 0.728241I	-9.51760 - 5.08658I	0
b = -0.589996 + 1.278450I		
u = 0.27775 + 1.56012I		
a = 0.132678 - 1.236370I	-13.8317 + 7.8929I	0
b = 0.09558 - 2.68981I		
u = 0.27775 - 1.56012I		
a = 0.132678 + 1.236370I	-13.8317 - 7.8929I	0
b = 0.09558 + 2.68981I		
u = 0.15046 + 1.60424I		
a = 0.160295 + 1.146520I	-17.6021 + 1.1585I	0
b = -0.31811 + 2.51871I		
u = 0.15046 - 1.60424I		
a = 0.160295 - 1.146520I	-17.6021 - 1.1585I	0
b = -0.31811 - 2.51871I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.341402 + 0.171738I		
a = 4.13096 - 1.61392I	-11.05090 - 0.90973I	-10.78531 - 1.39456I
b = 0.675184 - 0.592840I		
u = 0.341402 - 0.171738I		
a = 4.13096 + 1.61392I	-11.05090 + 0.90973I	-10.78531 + 1.39456I
b = 0.675184 + 0.592840I		
u = 0.03842 + 1.63568I		
a = -0.527691 - 0.462807I	-10.48550 - 5.71222I	0
b = 0.451791 - 1.092900I		
u = 0.03842 - 1.63568I		
a = -0.527691 + 0.462807I	-10.48550 + 5.71222I	0
b = 0.451791 + 1.092900I		
u = 0.359374		
a = -4.34971	-6.85123	-16.8270
b = -0.676883		
u = -1.63565 + 0.23135I		
a = -1.293770 - 0.085038I	-14.1359 - 7.0273I	0
b = -0.0375020 + 0.0652272I		
u = -1.63565 - 0.23135I		
a = -1.293770 + 0.085038I	-14.1359 + 7.0273I	0
b = -0.0375020 - 0.0652272I		
u = -0.02899 + 1.68061I		
a = 0.815326 + 0.498354I	-5.54238 - 0.38545I	0
b = 0.070018 + 1.005780I		
u = -0.02899 - 1.68061I		
a = 0.815326 - 0.498354I	-5.54238 + 0.38545I	0
b = 0.070018 - 1.005780I		
u = -0.280510 + 0.151518I		
a = -0.50395 - 2.20616I	-0.97360 - 1.69901I	-2.82413 + 3.98750I
b = -0.683528 - 0.071725I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.280510 - 0.151518I		
a = -0.50395 + 2.20616I	-0.97360 + 1.69901I	-2.82413 - 3.98750I
b = -0.683528 + 0.071725I		
u = -0.63741 + 1.66286I		
a = 0.172192 + 1.286190I	19.3723 - 14.9543I	0
b = 0.29163 + 2.50361I		
u = -0.63741 - 1.66286I		
a = 0.172192 - 1.286190I	19.3723 + 14.9543I	0
b = 0.29163 - 2.50361I		
u = -1.82775		
a = 1.25873	-9.14724	0
b = 0.0527036		
u = -0.1296520 + 0.0012514I		
a = -0.05922 - 4.98520I	1.23431 - 1.93321I	3.80958 + 0.69705I
b = 1.113010 - 0.819545I		
u = -0.1296520 - 0.0012514I		
a = -0.05922 + 4.98520I	1.23431 + 1.93321I	3.80958 - 0.69705I
b = 1.113010 + 0.819545I		
u = -0.0707850 + 0.0951134I		
a = -3.35295 + 6.50987I	-3.99047 - 6.24706I	-0.93942 + 7.90678I
b = -1.65303 + 0.74429I		
u = -0.0707850 - 0.0951134I		
a = -3.35295 - 6.50987I	-3.99047 + 6.24706I	-0.93942 - 7.90678I
b = -1.65303 - 0.74429I		
u = -0.70822 + 1.75594I		
a = -0.122804 - 1.218420I	-14.8352 - 9.0166I	0
b = -0.26978 - 2.37851I		
u = -0.70822 - 1.75594I		
a = -0.122804 + 1.218420I	-14.8352 + 9.0166I	0
b = -0.26978 + 2.37851I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.89562 + 1.71883I		
a = 0.131696 + 1.125940I	-18.4977 - 2.0999I	0
b = 0.34909 + 2.24166I		
u = -0.89562 - 1.71883I		
a = 0.131696 - 1.125940I	-18.4977 + 2.0999I	0
b = 0.34909 - 2.24166I		

$$II. \\ I_2^u = \langle -4.39 \times 10^9 u^{27} + 1.73 \times 10^{10} u^{26} + \dots + 1.05 \times 10^9 b - 1.65 \times 10^{10}, -1.78 \times 10^9 u^{27} + 1.01 \times 10^{10} u^{26} + \dots + 1.05 \times 10^9 a - 1.48 \times 10^{10}, \ u^{28} - 2u^{27} + \dots - 3u - 1 \rangle$$

(i) Arc colorings

$$a_{2} = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$

$$a_{6} = \begin{pmatrix} 0 \\ u \end{pmatrix}$$

$$a_{7} = \begin{pmatrix} u \\ u \end{pmatrix}$$

$$a_{12} = \begin{pmatrix} 1.68944u^{27} - 9.59647u^{26} + \dots + 24.1792u + 14.0125 \\ 4.16957u^{27} - 16.4259u^{26} + \dots + 32.1745u + 15.6713 \end{pmatrix}$$

$$a_{8} = \begin{pmatrix} -2.24104u^{27} + 7.12886u^{26} + \dots - 3.77423u - 5.73930 \\ 2.94974u^{27} - 7.15613u^{26} + \dots - 15.1617u - 2.88782 \end{pmatrix}$$

$$a_{9} = \begin{pmatrix} -4.88782u^{27} + 13.7254u^{26} + \dots + 5.68818u - 5.49827 \\ 2.90344u^{27} - 6.26923u^{26} + \dots - 16.4238u - 4.19078 \end{pmatrix}$$

$$a_{5} = \begin{pmatrix} -0.706864u^{27} + 0.0240004u^{26} + \dots + 5.39279u + 5.52854 \\ -2.94790u^{27} + 7.15286u^{26} + \dots + 1.61856u - 0.210764 \end{pmatrix}$$

$$a_{4} = \begin{pmatrix} -1.00982u^{27} + 0.583605u^{26} + \dots + 11.0921u + 8.17533 \\ -3.25085u^{27} + 7.71247u^{26} + \dots + 7.31789u + 2.43602 \end{pmatrix}$$

$$a_{1} = \begin{pmatrix} -0.0543874u^{27} + 4.91254u^{26} + \dots - 27.6210u - 16.4249 \\ -0.355447u^{27} - 3.74364u^{26} + \dots + 2.08328u - 0.417512 \end{pmatrix}$$

$$a_{11} = \begin{pmatrix} 1.68944u^{27} - 9.59647u^{26} + \dots + 24.1792u + 14.0125 \\ 2.50358u^{27} - 14.8480u^{26} + \dots + 49.1378u + 21.8889 \end{pmatrix}$$

$$a_{10} = \begin{pmatrix} 6.69021u^{27} - 18.1519u^{26} + \dots - 16.4160u - 3.40215 \\ 0.584244u^{27} - 13.8628u^{26} + \dots + 64.1728u + 26.2558 \end{pmatrix}$$

(ii) Obstruction class = 1

(iii) Cusp Shapes =
$$-\frac{2679606931}{1052877967}u^{27} - \frac{15977495031}{1052877967}u^{26} + \dots + \frac{130752365383}{1052877967}u + \frac{40877254048}{1052877967}u^{26} + \dots$$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1	$u^{28} - 3u^{27} + \dots - 23u - 1$
c_2	$u^{28} - 2u^{27} + \dots - 3u - 1$
c_3	$u^{28} - 11u^{26} + \dots - 3u + 9$
c_4	$u^{28} - 12u^{27} + \dots - 334u + 61$
<i>C</i> ₅	$u^{28} - 12u^{26} + \dots - 15u - 9$
<i>C</i> ₆	$u^{28} + 2u^{27} + \dots + 3u - 1$
	$u^{28} + 2u^{27} + \dots - 2u - 1$
C ₈	$u^{28} - 11u^{26} + \dots + 3u + 9$
<i>C</i> 9	$u^{28} + 6u^{27} + \dots + 40u + 7$
c_{10}	$u^{28} - 2u^{27} + \dots - 22u - 1$
c_{11}	$u^{28} - 12u^{26} + \dots + 15u - 9$
c_{12}	$u^{28} - 6u^{27} + \dots - 40u + 7$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1	$y^{28} - 3y^{27} + \dots - 785y + 1$
c_2, c_6	$y^{28} + 18y^{27} + \dots + 13y + 1$
c_3, c_8	$y^{28} - 22y^{27} + \dots - 1017y + 81$
c_4	$y^{28} - 36y^{27} + \dots + 37772y + 3721$
c_5, c_{11}	$y^{28} - 24y^{27} + \dots + 1143y + 81$
c_7	$y^{28} - 18y^{27} + \dots + 10y + 1$
c_9, c_{12}	$y^{28} + 22y^{27} + \dots + 206y + 49$
c_{10}	$y^{28} - 22y^{27} + \dots - 84y + 1$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_2^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.828405 + 0.452191I		
a = 0.028306 - 0.670431I	1.19357 - 3.29942I	7.01162 + 4.13444I
b = 0.05021 - 1.69084I		
u = -0.828405 - 0.452191I		
a = 0.028306 + 0.670431I	1.19357 + 3.29942I	7.01162 - 4.13444I
b = 0.05021 + 1.69084I		
u = -0.244046 + 1.060440I		
a = -0.504268 + 0.829036I	-3.07097 - 2.47420I	-8.69591 + 2.72420I
b = 0.360086 + 1.027120I		
u = -0.244046 - 1.060440I		
a = -0.504268 - 0.829036I	-3.07097 + 2.47420I	-8.69591 - 2.72420I
b = 0.360086 - 1.027120I		
u = 0.440560 + 0.777431I		
a = -0.85713 + 1.51445I	-11.55490 + 2.10708I	-14.0670 - 3.9463I
b = -0.300793 + 0.409666I		
u = 0.440560 - 0.777431I		
a = -0.85713 - 1.51445I	-11.55490 - 2.10708I	-14.0670 + 3.9463I
b = -0.300793 - 0.409666I		
u = -0.181263 + 0.870571I		
a = -0.625474 - 0.654885I	-2.30932 + 0.72869I	-9.84041 - 0.97767I
b = -1.36669 - 0.40888I		
u = -0.181263 - 0.870571I		
a = -0.625474 + 0.654885I	-2.30932 - 0.72869I	-9.84041 + 0.97767I
b = -1.36669 + 0.40888I		
u = 0.868921		
a = 2.03119	-6.20668	-3.53400
b = 0.370017		
u = -0.464589 + 1.065340I		
a = 0.498147 - 0.250055I	-0.928502 - 0.756039I	-7.92403 - 2.74336I
b = -0.298592 - 0.642842I		

Solutions to I_2^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.464589 - 1.065340I		
a = 0.498147 + 0.250055I	-0.928502 + 0.756039I	-7.92403 + 2.74336I
b = -0.298592 + 0.642842I		
u = -0.193282 + 0.717392I		
a = 0.726013 - 0.070993I	0.70335 - 2.38577I	-5.36948 + 6.65379I
b = 1.250320 - 0.616788I		
u = -0.193282 - 0.717392I		
a = 0.726013 + 0.070993I	0.70335 + 2.38577I	-5.36948 - 6.65379I
b = 1.250320 + 0.616788I		
u = 0.311418 + 1.272500I		
a = -0.759828 - 0.331562I	-7.48839 + 7.54015I	-7.59672 - 6.45984I
b = -0.314202 + 0.008550I		
u = 0.311418 - 1.272500I	F 40000 F F 401F F	- F00-0 . 0 AF00 AF
a = -0.759828 + 0.331562I	-7.48839 - 7.54015I	-7.59672 + 6.45984I
b = -0.314202 - 0.008550I $u = 0.003913 + 0.661555I$		
a = -0.003913 + 0.001593I $a = -1.182080 + 0.471507I$	-4.54720 - 6.17336I	-15.2173 + 5.6644I
	-4.04720 - 0.173301	-15.2175 + 5.00441
$\frac{b = -1.88693 + 1.20938I}{u = 0.003913 - 0.661555I}$		
a = -1.182080 - 0.471507I	-4.54720 + 6.17336I	-15.2173 - 5.6644I
b = -1.88693 - 1.20938I	4.04120 0.110001	19.2179 9.00441
u = 1.325390 + 0.413589I		
a = -0.144604 + 0.859044I	-0.99658 + 3.41956I	$\begin{vmatrix} -11.11044 - 4.64179I \end{vmatrix}$
b = -0.27440 + 1.56013I	0.00000 0.0000	
u = 1.325390 - 0.413589I		
a = -0.144604 - 0.859044I	-0.99658 - 3.41956I	-11.11044 + 4.64179I
b = -0.27440 - 1.56013I		
u = -0.258149 + 0.502688I		
a = -0.38944 - 2.12090I	-8.76882 - 4.01982I	-13.72838 + 2.52464I
b = 0.930879 + 0.071120I		

Solutions to I_2^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.258149 - 0.502688I		
a = -0.38944 + 2.12090I	-8.76882 + 4.01982I	-13.72838 - 2.52464I
b = 0.930879 - 0.071120I		
u = 0.56341 + 1.32038I		
a = 0.654369 - 0.176621I	-4.61292 + 3.39320I	-8.40856 + 0.I
b = 0.154007 - 0.126542I		
u = 0.56341 - 1.32038I		
a = 0.654369 + 0.176621I	-4.61292 - 3.39320I	-8.40856 + 0.I
b = 0.154007 + 0.126542I		
u = 0.27803 + 1.44237I		
a = -0.07083 - 1.57790I	-14.3357 + 1.1241I	-11.79638 + 0.I
b = 0.21421 - 2.70805I		
u = 0.27803 - 1.44237I		
a = -0.07083 + 1.57790I	-14.3357 - 1.1241I	-11.79638 + 0.I
b = 0.21421 + 2.70805I		
u = -0.471793		
a = 2.53420	-4.37150	-10.4710
b = -0.699654		
u = 0.04846 + 1.54491I		
a = 0.34412 + 1.45356I	-13.66150 + 2.95733I	-11.75419 - 3.36100I
b = 0.14671 + 2.63714I		
u = 0.04846 - 1.54491I		
a = 0.34412 - 1.45356I	-13.66150 - 2.95733I	-11.75419 + 3.36100I
b = 0.14671 - 2.63714I		

III. u-Polynomials

Crossings	u-Polynomials at each crossing
c_1	$(u^{28} - 3u^{27} + \dots - 23u - 1)(u^{62} - 8u^{61} + \dots - 14573u - 2354)$
c_2	$(u^{28} - 2u^{27} + \dots - 3u - 1)(u^{62} - 3u^{61} + \dots + 18u - 1)$
c_3	$(u^{28} - 11u^{26} + \dots - 3u + 9)(u^{62} - u^{61} + \dots - 1064u + 127)$
c_4	$ (u^{28} - 12u^{27} + \dots - 334u + 61)(u^{62} - 7u^{61} + \dots + 2345u - 631) $
<i>C</i> ₅	$(u^{28} - 12u^{26} + \dots - 15u - 9)(u^{62} - u^{61} + \dots - 67775u + 24008)$
<i>C</i> ₆	$(u^{28} + 2u^{27} + \dots + 3u - 1)(u^{62} - 3u^{61} + \dots + 18u - 1)$
	$ (u^{28} + 2u^{27} + \dots - 2u - 1)(u^{62} + 3u^{61} + \dots - 11203u + 18287) $
<i>c</i> ₈	$(u^{28} - 11u^{26} + \dots + 3u + 9)(u^{62} - u^{61} + \dots - 1064u + 127)$
<i>c</i> ₉	$(u^{28} + 6u^{27} + \dots + 40u + 7)(u^{62} + 5u^{61} + \dots + 7u + 1)$
c_{10}	$(u^{28} - 2u^{27} + \dots - 22u - 1)(u^{62} - 13u^{61} + \dots + 690763u - 71359)$
c_{11}	$(u^{28} - 12u^{26} + \dots + 15u - 9)(u^{62} - u^{61} + \dots - 67775u + 24008)$
c_{12}	$(u^{28} - 6u^{27} + \dots - 40u + 7)(u^{62} + 5u^{61} + \dots + 7u + 1)$ 20

IV. Riley Polynomials

Crossings	Riley Polynomials at each crossing	
c_1	$(y^{28} - 3y^{27} + \dots - 785y + 1)$ $\cdot (y^{62} - 30y^{61} + \dots + 87051763y + 5541316)$	
c_2, c_6	$(y^{28} + 18y^{27} + \dots + 13y + 1)(y^{62} + 59y^{61} + \dots - 98y + 1)$	
c_3, c_8	$(y^{28} - 22y^{27} + \dots - 1017y + 81)$ $\cdot (y^{62} - 57y^{61} + \dots - 252240y + 16129)$	
c_4	$(y^{28} - 36y^{27} + \dots + 37772y + 3721)$ $\cdot (y^{62} - 95y^{61} + \dots - 19707883y + 398161)$	
c_5,c_{11}	$(y^{28} - 24y^{27} + \dots + 1143y + 81)$ $\cdot (y^{62} - 99y^{61} + \dots - 7503268241y + 576384064)$	
c ₇	$(y^{28} - 18y^{27} + \dots + 10y + 1)$ $\cdot (y^{62} - 89y^{61} + \dots - 6246385553y + 334414369)$	
c_9, c_{12}	$(y^{28} + 22y^{27} + \dots + 206y + 49)(y^{62} + 51y^{61} + \dots - 37y + 1)$	
c_{10}	$(y^{28} - 22y^{27} + \dots - 84y + 1)$ $\cdot (y^{62} - 81y^{61} + \dots + 2924033206473y + 5092106881)$	