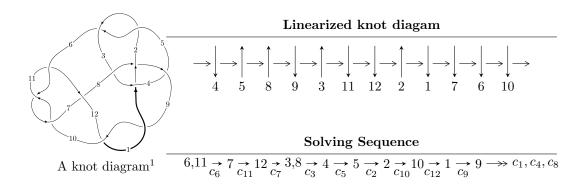
$12a_{0834} (K12a_{0834})$



Ideals for irreducible components² of X_{par}

$$I_1^u = \langle -3.22741 \times 10^{27} u^{88} + 3.46788 \times 10^{27} u^{87} + \dots + 1.49349 \times 10^{28} b + 5.73350 \times 10^{27},$$

$$8.41565 \times 10^{28} u^{88} - 1.02242 \times 10^{29} u^{87} + \dots + 1.49349 \times 10^{28} a + 2.07042 \times 10^{29}, \ u^{89} - 2u^{88} + \dots + u - 1 \rangle$$

$$I_2^u = \langle b - 1, -2u^2 + a + 2u - 3, \ u^3 - u^2 + 2u - 1 \rangle$$

* 2 irreducible components of $\dim_{\mathbb{C}} = 0$, with total 92 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.

 $\begin{matrix} \text{I.} \\ I_1^u = \langle -3.23 \times 10^{27} u^{88} + 3.47 \times 10^{27} u^{87} + \dots + 1.49 \times 10^{28} b + 5.73 \times 10^{27}, \ 8.42 \times 10^{28} u^{88} - 1.02 \times 10^{29} u^{87} + \dots + 1.49 \times 10^{28} a + 2.07 \times 10^{29}, \ u^{89} - 2u^{88} + \dots + u - 1 \rangle \end{matrix}$

(i) Arc colorings

$$a_{6} = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$

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

$$a_{7} = \begin{pmatrix} 1 \\ u^{2} \end{pmatrix}$$

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

$$a_{3} = \begin{pmatrix} -5.63488u^{88} + 6.84586u^{87} + \dots - 19.6801u - 13.8629 \\ 0.216098u^{88} - 0.232199u^{87} + \dots + 1.17195u - 0.383899 \end{pmatrix}$$

$$a_{8} = \begin{pmatrix} -u^{4} - u^{2} + 1 \\ u^{4} + 2u^{2} \end{pmatrix}$$

$$a_{4} = \begin{pmatrix} -4.24061u^{88} + 4.90905u^{87} + \dots - 12.0676u - 9.67457 \\ 1.46774u^{88} - 1.53556u^{87} + \dots + 4.56613u + 1.46782 \end{pmatrix}$$

$$a_{5} = \begin{pmatrix} 5.24438u^{88} - 6.38436u^{87} + \dots + 18.1075u + 13.9322 \\ -0.135606u^{88} + 0.0712031u^{87} + \dots - 1.31220u + 0.464403 \end{pmatrix}$$

$$a_{2} = \begin{pmatrix} -1.00290u^{88} + 1.84480u^{87} + \dots - 3.68274u - 1.52239 \\ 0.839015u^{88} - 1.67801u^{87} + \dots - 0.719508u + 0.838993 \end{pmatrix}$$

$$a_{10} = \begin{pmatrix} u \\ u^{3} + u \end{pmatrix}$$

$$a_{10} = \begin{pmatrix} u \\ u^{3} + u \end{pmatrix}$$

$$a_{11} = \begin{pmatrix} -u^{5} - 2u^{3} - u \\ -u^{7} - 3u^{5} - 2u^{3} + u \end{pmatrix}$$

$$a_{12} = \begin{pmatrix} u^{9} + 4u^{7} + 5u^{5} + 2u^{3} + u \\ u^{11} + 5u^{9} + 8u^{7} + 3u^{5} - u^{3} + u \end{pmatrix}$$

- (ii) Obstruction class = -1
- (iii) Cusp Shapes = $6.14068u^{88} 3.32136u^{87} + \cdots + 42.7937u + 19.8607$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1	$u^{89} - 15u^{88} + \dots + 36u - 8$
c_2, c_5	$u^{89} + 4u^{88} + \dots + 20u + 1$
c_3	$u^{89} + u^{88} + \dots + 1421584u + 441313$
c_4	$u^{89} - u^{88} + \dots + 6214u + 1559$
c_6, c_{10}, c_{11}	$u^{89} + 2u^{88} + \dots + u + 1$
C ₇	$u^{89} - 2u^{88} + \dots - 13911u + 4113$
C ₈	$u^{89} - 4u^{88} + \dots - u + 1$
c_9,c_{12}	$u^{89} - 12u^{88} + \dots - 1943u + 163$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1	$y^{89} + 21y^{88} + \dots - 560y - 64$
c_2, c_5	$y^{89} - 70y^{88} + \dots + 348y - 1$
c_3	$y^{89} + 39y^{88} + \dots + 7318297870790y - 194757163969$
c_4	$y^{89} + 111y^{88} + \dots - 44278234y - 2430481$
c_6, c_{10}, c_{11}	$y^{89} + 84y^{88} + \dots + 7y - 1$
c_7	$y^{89} + 36y^{88} + \dots - 395194221y - 16916769$
c ₈	$y^{89} - 16y^{88} + \dots + 7y - 1$
c_9, c_{12}	$y^{89} + 84y^{88} + \dots + 271727y - 26569$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.186824 + 1.001010I		
a = -0.553297 - 0.442816I	3.51936 - 4.77245I	0
b = 1.183560 - 0.268162I		
u = 0.186824 - 1.001010I		
a = -0.553297 + 0.442816I	3.51936 + 4.77245I	0
b = 1.183560 + 0.268162I		
u = -0.620945 + 0.565816I		
a = -1.037750 + 0.358176I	8.53612 - 0.43548I	4.95570 + 0.I
b = 1.302120 - 0.095640I		
u = -0.620945 - 0.565816I		
a = -1.037750 - 0.358176I	8.53612 + 0.43548I	4.95570 + 0.I
b = 1.302120 + 0.095640I		
u = -0.720530 + 0.429057I		
a = -0.91242 + 1.45256I	8.04617 + 4.93945I	3.54197 - 5.91371I
b = 1.288110 + 0.140305I		
u = -0.720530 - 0.429057I		
a = -0.91242 - 1.45256I	8.04617 - 4.93945I	3.54197 + 5.91371I
b = 1.288110 - 0.140305I		
u = -0.199195 + 0.809899I		
a = -0.636456 + 0.180505I	3.66713 - 4.80341I	0. + 4.71638I
b = 1.241680 - 0.317786I		
u = -0.199195 - 0.809899I		
a = -0.636456 - 0.180505I	3.66713 + 4.80341I	0 4.71638I
b = 1.241680 + 0.317786I		
u = 0.706611 + 0.428170I		
a = -1.40688 - 1.84307I	8.7954 - 13.3610I	0. + 8.90502I
b = 1.45020 - 0.50983I		
u = 0.706611 - 0.428170I		
a = -1.40688 + 1.84307I	8.7954 + 13.3610I	0 8.90502I
b = 1.45020 + 0.50983I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.616128 + 0.547042I		
a = -1.031070 - 0.355615I	9.23088 + 8.93550I	1.46945 - 3.15188I
b = 1.45184 + 0.48379I		
u = 0.616128 - 0.547042I		
a = -1.031070 + 0.355615I	9.23088 - 8.93550I	1.46945 + 3.15188I
b = 1.45184 - 0.48379I		
u = -0.048243 + 1.175430I		
a = -0.829588 + 0.561532I	0.493634 - 1.143620I	0
b = 0.220153 + 0.721163I		
u = -0.048243 - 1.175430I		
a = -0.829588 - 0.561532I	0.493634 + 1.143620I	0
b = 0.220153 - 0.721163I		
u = 0.653621 + 0.454879I		
a = 1.68141 + 1.55340I	7.92409 - 4.26600I	4.93804 + 6.41768I
b = -1.56986 + 0.64185I		
u = 0.653621 - 0.454879I		
a = 1.68141 - 1.55340I	7.92409 + 4.26600I	4.93804 - 6.41768I
b = -1.56986 - 0.64185I		
u = 0.668755 + 0.428865I		
a = 1.230110 + 0.273390I	3.64043 - 7.32953I	-1.17277 + 8.99350I
b = -0.183511 + 1.236830I		
u = 0.668755 - 0.428865I		
a = 1.230110 - 0.273390I	3.64043 + 7.32953I	-1.17277 - 8.99350I
b = -0.183511 - 1.236830I		
u = 0.635432 + 0.474349I	0.00007 . 0.00007	F 900F4 . 0 T
a = 0.822221 + 0.986528I	8.00335 + 0.00682I	5.30054 + 0.I
b = -1.59447 - 0.59522I		
u = 0.635432 - 0.474349I	0.00995 0.006095	F 200F4 + 0 F
a = 0.822221 - 0.986528I	8.00335 - 0.00682I	5.30054 + 0.I
b = -1.59447 + 0.59522I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.605334 + 0.494722I		
a = -0.648146 + 0.252052I	3.91183 + 3.11100I	-0.25921 - 2.86336I
b = -0.237306 - 1.205620I		
u = 0.605334 - 0.494722I		
a = -0.648146 - 0.252052I	3.91183 - 3.11100I	-0.25921 + 2.86336I
b = -0.237306 + 1.205620I		
u = -0.631916 + 0.451263I		
a = 3.21792 - 1.12316I	5.44595 + 2.07449I	-17.7402 - 1.7776I
b = -1.134390 - 0.014055I		
u = -0.631916 - 0.451263I		
a = 3.21792 + 1.12316I	5.44595 - 2.07449I	-17.7402 + 1.7776I
b = -1.134390 + 0.014055I		
u = -0.646012 + 0.423346I		
a = -0.072596 - 0.739156I	3.49478 + 3.09238I	-1.72304 - 2.11901I
b = -0.223514 - 0.368374I		
u = -0.646012 - 0.423346I		
a = -0.072596 + 0.739156I	3.49478 - 3.09238I	-1.72304 + 2.11901I
b = -0.223514 + 0.368374I		
u = -0.599733 + 0.464946I		
a = -0.636254 + 0.368078I	3.68292 + 0.99040I	-0.83517 - 4.70946I
b = -0.299671 + 0.334219I		
u = -0.599733 - 0.464946I		
a = -0.636254 - 0.368078I	3.68292 - 0.99040I	-0.83517 + 4.70946I
b = -0.299671 - 0.334219I		
u = 0.718124 + 0.121384I		
a = 0.696924 - 0.479554I	0.82958 + 1.21576I	0.08046 - 5.50881I
b = 1.147890 + 0.156346I		
u = 0.718124 - 0.121384I		
a = 0.696924 + 0.479554I	0.82958 - 1.21576I	0.08046 + 5.50881I
b = 1.147890 - 0.156346I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.684438 + 0.175505I		
a = 0.26626 + 1.65738I	1.50927 + 8.27164I	-3.69410 - 8.67253I
b = 1.267190 + 0.412877I		
u = -0.684438 - 0.175505I		
a = 0.26626 - 1.65738I	1.50927 - 8.27164I	-3.69410 + 8.67253I
b = 1.267190 - 0.412877I		
u = 0.153919 + 1.287670I		
a = -0.556228 + 0.142914I	2.98737 - 2.41032I	0
b = 0.047805 + 0.139825I		
u = 0.153919 - 1.287670I		
a = -0.556228 - 0.142914I	2.98737 + 2.41032I	0
b = 0.047805 - 0.139825I		
u = 0.080784 + 1.301410I		
a = -0.81013 - 1.51262I	4.46740 - 1.57474I	0
b = -0.751023 - 0.026185I		
u = 0.080784 - 1.301410I		
a = -0.81013 + 1.51262I	4.46740 + 1.57474I	0
b = -0.751023 + 0.026185I		
u = 0.132994 + 1.322700I		
a = 3.11220 + 4.00074I	5.08256 - 2.31872I	0
b = -1.009110 + 0.076392I		
u = 0.132994 - 1.322700I		
a = 3.11220 - 4.00074I	5.08256 + 2.31872I	0
b = -1.009110 - 0.076392I		
u = -0.199595 + 1.316790I		
a = 0.750885 - 0.065218I	2.22525 + 6.49294I	0
b = 0.029505 - 1.017910I		
u = -0.199595 - 1.316790I		
a = 0.750885 + 0.065218I	2.22525 - 6.49294I	0
b = 0.029505 + 1.017910I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.291643 + 1.302160I		
a = -0.743264 - 1.113150I	5.26574 - 2.44320I	0
b = 1.143230 + 0.075944I		
u = 0.291643 - 1.302160I		
a = -0.743264 + 1.113150I	5.26574 + 2.44320I	0
b = 1.143230 - 0.075944I		
u = -0.035448 + 1.346970I		
a = -0.289975 - 0.454139I	4.96955 - 1.39741I	0
b = -0.555222 + 0.719411I		
u = -0.035448 - 1.346970I		
a = -0.289975 + 0.454139I	4.96955 + 1.39741I	0
b = -0.555222 - 0.719411I		
u = -0.256781 + 1.333000I		
a = -1.48167 + 1.52113I	6.23989 + 11.67750I	0
b = 1.302130 + 0.460891I		
u = -0.256781 - 1.333000I		
a = -1.48167 - 1.52113I	6.23989 - 11.67750I	0
b = 1.302130 - 0.460891I		
u = -0.158173 + 1.352240I		
a = 1.53661 - 1.34959I	6.70286 + 4.62002I	0
b = -1.220590 - 0.636233I		
u = -0.158173 - 1.352240I		
a = 1.53661 + 1.34959I	6.70286 - 4.62002I	0
b = -1.220590 + 0.636233I		
u = -0.107849 + 1.363370I		
a = 1.75828 - 0.87708I	7.55333 + 1.23341I	0
b = -1.48488 + 0.23340I		
u = -0.107849 - 1.363370I		
a = 1.75828 + 0.87708I	7.55333 - 1.23341I	0
b = -1.48488 - 0.23340I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.567953 + 0.227198I		
a = -1.15850 - 0.86882I	-1.52582 - 0.95700I	-9.87795 + 4.21075I
b = 0.347206 - 0.379172I		
u = 0.567953 - 0.227198I		
a = -1.15850 + 0.86882I	-1.52582 + 0.95700I	-9.87795 - 4.21075I
b = 0.347206 + 0.379172I		
u = -0.591935 + 0.127305I		
a = 0.34472 - 1.48165I	-2.27566 + 3.62056I	-9.44307 - 7.65821I
b = 0.060856 - 0.888636I		
u = -0.591935 - 0.127305I		
a = 0.34472 + 1.48165I	-2.27566 - 3.62056I	-9.44307 + 7.65821I
b = 0.060856 + 0.888636I		
u = 0.210272 + 1.386360I		
a = -1.53349 - 0.48155I	3.62716 - 3.79171I	0
b = 0.545025 - 0.309905I		
u = 0.210272 - 1.386360I		
a = -1.53349 + 0.48155I	3.62716 + 3.79171I	0
b = 0.545025 + 0.309905I		
u = -0.01165 + 1.46576I		
a = -2.28540 + 0.25970I	10.61070 - 4.48770I	0
b = 1.361610 - 0.247191I		
u = -0.01165 - 1.46576I		
a = -2.28540 - 0.25970I	10.61070 + 4.48770I	0
b = 1.361610 + 0.247191I		
u = 0.516833		
a = -0.695251	-1.00847	-9.89690
b = 0.0489090		
u = -0.23769 + 1.46614I		
a = 0.195432 - 0.315957I	9.58671 + 6.32782I	0
b = -0.213629 - 0.424957I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.23769 - 1.46614I		
a = 0.195432 + 0.315957I	9.58671 - 6.32782I	0
b = -0.213629 + 0.424957I		
u = -0.21562 + 1.47090I		
a = -0.262181 + 0.065389I	9.91923 + 3.97356I	0
b = -0.352537 + 0.382462I		
u = -0.21562 - 1.47090I		
a = -0.262181 - 0.065389I	9.91923 - 3.97356I	0
b = -0.352537 - 0.382462I		
u = -0.476517 + 0.190593I		
a = -0.67906 - 2.37641I	1.85802 + 2.29172I	-0.53042 - 8.83653I
b = -1.100380 - 0.487121I		
u = -0.476517 - 0.190593I		
a = -0.67906 + 2.37641I	1.85802 - 2.29172I	-0.53042 + 8.83653I
b = -1.100380 + 0.487121I		
u = -0.22812 + 1.47310I		
a = 3.94764 - 1.14819I	11.65640 + 5.21992I	0
b = -1.153190 - 0.026940I		
u = -0.22812 - 1.47310I		
a = 3.94764 + 1.14819I	11.65640 - 5.21992I	0
b = -1.153190 + 0.026940I		
u = 0.24459 + 1.47168I		
a = 1.35920 - 0.87240I	9.7752 - 10.6673I	0
b = -0.174652 + 1.279720I		
u = 0.24459 - 1.47168I		
a = 1.35920 + 0.87240I	9.7752 + 10.6673I	0
b = -0.174652 - 1.279720I		
u = 0.21041 + 1.48030I		
a = -0.356488 + 1.319030I	10.28920 + 0.14526I	0
b = -0.289225 - 1.238400I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.21041 - 1.48030I		
a = -0.356488 - 1.319030I	10.28920 - 0.14526I	0
b = -0.289225 + 1.238400I		
u = 0.23458 + 1.47832I		
a = 3.00495 + 0.89538I	14.1722 - 7.5096I	0
b = -1.58752 + 0.68020I		
u = 0.23458 - 1.47832I		
a = 3.00495 - 0.89538I	14.1722 + 7.5096I	0
b = -1.58752 - 0.68020I		
u = 0.22444 + 1.48115I		
a = 2.23509 + 1.47442I	14.3257 - 3.1289I	0
b = -1.64007 - 0.59040I		
u = 0.22444 - 1.48115I		
a = 2.23509 - 1.47442I	14.3257 + 3.1289I	0
b = -1.64007 + 0.59040I		
u = 0.25953 + 1.47721I		
a = -2.68774 - 1.36381I	14.9486 - 16.8872I	0
b = 1.46198 - 0.52526I		
u = 0.25953 - 1.47721I		
a = -2.68774 + 1.36381I	14.9486 + 16.8872I	0
b = 1.46198 + 0.52526I		
u = -0.26452 + 1.48015I		
a = -2.09557 + 1.31067I	14.2145 + 8.5330I	0
b = 1.303210 + 0.172877I		
u = -0.26452 - 1.48015I		
a = -2.09557 - 1.31067I	14.2145 - 8.5330I	0
b = 1.303210 - 0.172877I		
u = 0.19817 + 1.49988I		
a = -2.32503 - 0.71404I	15.8886 + 6.0076I	0
b = 1.47701 + 0.46900I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.19817 - 1.49988I		
a = -2.32503 + 0.71404I	15.8886 - 6.0076I	0
b = 1.47701 - 0.46900I		
u = -0.19383 + 1.50620I		
a = -2.22103 + 0.36980I	15.2931 + 2.4799I	0
b = 1.351270 - 0.081184I		
u = -0.19383 - 1.50620I		
a = -2.22103 - 0.36980I	15.2931 - 2.4799I	0
b = 1.351270 + 0.081184I		
u = 0.459004 + 0.059596I		
a = -1.66860 + 5.99811I	0.753766 - 0.203656I	22.5346 - 14.4002I
b = -0.951109 + 0.022024I		
u = 0.459004 - 0.059596I		
a = -1.66860 - 5.99811I	0.753766 + 0.203656I	22.5346 + 14.4002I
b = -0.951109 - 0.022024I		
u = 0.056793 + 0.423831I		
a = -0.930309 - 0.128835I	-0.13700 - 1.45966I	-2.24355 + 4.15647I
b = -0.051016 + 0.551004I		
u = 0.056793 - 0.423831I		
a = -0.930309 + 0.128835I	-0.13700 + 1.45966I	-2.24355 - 4.15647I
b = -0.051016 - 0.551004I		
u = -0.245590 + 0.252375I		
a = -0.463084 - 0.961078I	2.58237 - 0.25412I	3.14425 - 3.55228I
b = -1.231150 + 0.180055I		
u = -0.245590 - 0.252375I		
a = -0.463084 + 0.961078I	2.58237 + 0.25412I	3.14425 + 3.55228I
b = -1.231150 - 0.180055I		

II.
$$I_2^u = \langle b-1, -2u^2 + a + 2u - 3, u^3 - u^2 + 2u - 1 \rangle$$

(i) Arc colorings

$$a_{6} = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$

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

$$a_{7} = \begin{pmatrix} 1 \\ u^{2} \end{pmatrix}$$

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

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

$$a_{8} = \begin{pmatrix} u \\ u^{2} - u + 1 \end{pmatrix}$$

$$a_{4} = \begin{pmatrix} u^{2} - u + 2 \\ 0 \end{pmatrix}$$

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

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

$$a_{10} = \begin{pmatrix} u \\ u^{2} - u + 1 \end{pmatrix}$$

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

$$a_{9} = \begin{pmatrix} u^{2} + 1 \\ u^{2} - u + 1 \end{pmatrix}$$

- (ii) Obstruction class = 1
- (iii) Cusp Shapes = $-u^2 + 3u 3$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1	u^3
c_2	$(u+1)^3$
c_3, c_4	u^3-u-1
c_5	$(u-1)^3$
c_6	$u^3 - u^2 + 2u - 1$
c_7, c_8, c_9	$u^3 + u^2 - 1$
c_{10}, c_{11}	$u^3 + u^2 + 2u + 1$
c_{12}	$u^3 - u^2 + 1$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1	y^3
c_{2}, c_{5}	$(y-1)^3$
c_3, c_4	$y^3 - 2y^2 + y - 1$
c_6, c_{10}, c_{11}	$y^3 + 3y^2 + 2y - 1$
c_7, c_8, c_9 c_{12}	$y^3 - y^2 + 2y - 1$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_2^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.215080 + 1.307140I		
a = -0.75488 - 1.48972I	4.66906 - 2.82812I	-0.69240 + 3.35914I
b = 1.00000		
u = 0.215080 - 1.307140I		
a = -0.75488 + 1.48972I	4.66906 + 2.82812I	-0.69240 - 3.35914I
b = 1.00000		
u = 0.569840		
a = 2.50976	0.531480	-1.61520
b = 1.00000		

III. u-Polynomials

Crossings	u-Polynomials at each crossing
c_1	$u^3(u^{89} - 15u^{88} + \dots + 36u - 8)$
c_2	$((u+1)^3)(u^{89} + 4u^{88} + \dots + 20u + 1)$
<i>c</i> 3	$(u^3 - u - 1)(u^{89} + u^{88} + \dots + 1421584u + 441313)$
c_4	$(u^3 - u - 1)(u^{89} - u^{88} + \dots + 6214u + 1559)$
<i>C</i> ₅	$((u-1)^3)(u^{89} + 4u^{88} + \dots + 20u + 1)$
c_6	$(u^3 - u^2 + 2u - 1)(u^{89} + 2u^{88} + \dots + u + 1)$
c_7	$(u^3 + u^2 - 1)(u^{89} - 2u^{88} + \dots - 13911u + 4113)$
c_8	$(u^3 + u^2 - 1)(u^{89} - 4u^{88} + \dots - u + 1)$
c_9	$(u^3 + u^2 - 1)(u^{89} - 12u^{88} + \dots - 1943u + 163)$
c_{10}, c_{11}	$(u^3 + u^2 + 2u + 1)(u^{89} + 2u^{88} + \dots + u + 1)$
c_{12}	$(u^3 - u^2 + 1)(u^{89} - 12u^{88} + \dots - 1943u + 163)$

IV. Riley Polynomials

Crossings	Riley Polynomials at each crossing
c_1	$y^3(y^{89} + 21y^{88} + \dots - 560y - 64)$
c_2,c_5	$((y-1)^3)(y^{89} - 70y^{88} + \dots + 348y - 1)$
c_3	$(y^3 - 2y^2 + y - 1)$ $\cdot (y^{89} + 39y^{88} + \dots + 7318297870790y - 194757163969)$
c_4	$(y^3 - 2y^2 + y - 1)(y^{89} + 111y^{88} + \dots - 4.42782 \times 10^7 y - 2430481)$
c_6, c_{10}, c_{11}	$(y^3 + 3y^2 + 2y - 1)(y^{89} + 84y^{88} + \dots + 7y - 1)$
	$(y^3 - y^2 + 2y - 1)(y^{89} + 36y^{88} + \dots - 3.95194 \times 10^8 y - 1.69168 \times 10^7)$
c ₈	$(y^3 - y^2 + 2y - 1)(y^{89} - 16y^{88} + \dots + 7y - 1)$
c_9, c_{12}	$(y^3 - y^2 + 2y - 1)(y^{89} + 84y^{88} + \dots + 271727y - 26569)$