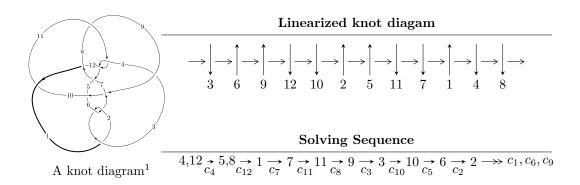
$12a_{0419} (K12a_{0419})$



Ideals for irreducible components² of X_{par}

$$\begin{split} I_1^u &= \langle 9.88459 \times 10^{1013} u^{181} + 1.80208 \times 10^{1014} u^{180} + \dots + 2.42399 \times 10^{1014} b + 3.99849 \times 10^{1014}, \\ &- 2.88553 \times 10^{1013} u^{181} - 4.79670 \times 10^{1013} u^{180} + \dots + 1.27578 \times 10^{1013} a - 1.17798 \times 10^{1014}, \\ &u^{182} + 2 u^{181} + \dots + 18 u + 1 \rangle \\ I_2^u &= \langle -1.15838 \times 10^{33} u^{42} - 1.70244 \times 10^{33} u^{41} + \dots + 2.11466 \times 10^{32} b - 1.33001 \times 10^{33}, \\ &- 1.28770 \times 10^{33} u^{42} + 1.62157 \times 10^{32} u^{41} + \dots + 2.11466 \times 10^{32} a - 6.36585 \times 10^{33}, \ u^{43} + u^{42} + \dots + 2u + 2u + 2u^{44} + 2u^{44} + \dots + 2u^{44} +$$

* 2 irreducible components of $\dim_{\mathbb{C}} = 0$, with total 225 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.
$$I_1^u = \langle 9.88 \times 10^{1013} u^{181} + 1.80 \times 10^{1014} u^{180} + \dots + 2.42 \times 10^{1014} b + 4.00 \times 10^{1014}, -2.89 \times 10^{1013} u^{181} - 4.80 \times 10^{1013} u^{180} + \dots + 1.28 \times 10^{1013} a - 1.18 \times 10^{1014}, \ u^{182} + 2u^{181} + \dots + 18u + 1 \rangle$$

(i) Arc colorings

$$a_{4} = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$

$$a_{12} = \begin{pmatrix} 0 \\ u \end{pmatrix}$$

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

$$a_{8} = \begin{pmatrix} 2.26177u^{181} + 3.75981u^{180} + \dots + 147.770u + 9.23341 \\ -0.407782u^{181} - 0.743438u^{180} + \dots - 27.0959u - 1.64955 \end{pmatrix}$$

$$a_{1} = \begin{pmatrix} -3.27635u^{181} - 5.34779u^{180} + \dots - 141.246u - 8.30418 \\ -0.0374048u^{181} + 0.441289u^{180} + \dots + 39.6804u + 3.60649 \end{pmatrix}$$

$$a_{7} = \begin{pmatrix} 3.24310u^{181} + 4.95955u^{180} + \dots + 186.351u + 11.6467 \\ 0.352908u^{181} - 0.162965u^{180} + \dots + 14.3448u - 0.886637 \end{pmatrix}$$

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

$$a_{9} = \begin{pmatrix} 2.89776u^{181} + 4.31013u^{180} + \dots + 160.146u + 10.0693 \\ 0.228210u^{181} - 0.193110u^{180} + \dots - 14.7200u - 0.813692 \end{pmatrix}$$

$$a_{3} = \begin{pmatrix} 3.44546u^{181} + 6.53680u^{180} + \dots + 327.617u + 24.9418 \\ -0.447829u^{181} - 0.305439u^{180} + \dots + 2.78794u + 0.556196 \end{pmatrix}$$

$$a_{10} = \begin{pmatrix} -4.22856u^{181} - 7.89659u^{180} + \dots + 295.726u - 32.9946 \\ 0.193692u^{181} + 0.370684u^{180} + \dots + 18.9442u + 1.19168 \end{pmatrix}$$

$$a_{6} = \begin{pmatrix} -5.48557u^{181} - 10.1286u^{180} + \dots + 18.9442u + 1.19168 \\ -0.455170u^{181} - 0.262679u^{180} + \dots - 548.088u - 44.6091 \\ -0.452183u^{181} - 0.346483u^{180} + \dots - 84.2762u - 8.47404 \\ 0.452183u^{181} + 0.416483u^{180} + \dots - 84.2762u - 8.47404 \\ 0.452183u^{181} + 0.416483u^{180} + \dots + 37.1423u + 2.46176 \end{pmatrix}$$

- (ii) Obstruction class = -1
- (iii) Cusp Shapes = $-1.74311u^{181} 3.28687u^{180} + \cdots 161.807u 22.4706$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1	$u^{182} + 80u^{181} + \dots - 14u + 1$
c_2, c_6	$u^{182} + 40u^{180} + \dots + 4u + 1$
<i>c</i> ₃	$u^{182} + u^{181} + \dots + 173061562687u + 50838216514$
c_4,c_{11}	$u^{182} + 2u^{181} + \dots + 18u + 1$
	$u^{182} - 6u^{180} + \dots - 29u + 1$
	$u^{182} + 16u^{181} + \dots + 107815334379u + 9487345129$
<i>C</i> ₈	$u^{182} + 18u^{181} + \dots + 37740592u + 2302703$
<i>c</i> ₉	$u^{182} + 8u^{181} + \dots - 16483u + 704$
c_{10}	$u^{182} + 17u^{181} + \dots + 1894916324u + 143269799$
c_{12}	$u^{182} - u^{181} + \dots - 233173107u + 23453042$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1	$y^{182} + 60y^{181} + \dots - 458y + 1$
c_2, c_6	$y^{182} + 80y^{181} + \dots - 14y + 1$
<i>c</i> ₃	$y^{182} + 83y^{181} + \dots + 1.73 \times 10^{23}y + 2.58 \times 10^{21}$
c_4, c_{11}	$y^{182} - 126y^{181} + \dots - 110y + 1$
<i>C</i> ₅	$y^{182} - 12y^{181} + \dots + 393y + 1$
	$y^{182} + 100y^{181} + \dots + 4.51 \times 10^{21}y + 9.00 \times 10^{19}$
<i>c</i> ₈	$y^{182} - 52y^{181} + \dots - 245956311483672y + 5302441106209$
<i>c</i> ₉	$y^{182} - 26y^{181} + \dots - 28999369y + 495616$
c_{10}	$y^{182} + 35y^{181} + \dots + 2524246924058369408y + 20526235305500401$
c_{12}	$y^{182} - 59y^{181} + \dots - 11000196487083765y + 550045179053764$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 1.009030 + 0.141856I		
a = -0.313299 + 0.401315I	-5.55107 - 0.59106I	0
b = -2.13016 + 0.32049I		
u = 1.009030 - 0.141856I		
a = -0.313299 - 0.401315I	-5.55107 + 0.59106I	0
b = -2.13016 - 0.32049I		
u = -1.023890 + 0.011929I		
a = -0.29832 - 1.57682I	0.0137628 + 0.0482185I	0
b = -0.078867 - 0.465740I		
u = -1.023890 - 0.011929I		
a = -0.29832 + 1.57682I	0.0137628 - 0.0482185I	0
b = -0.078867 + 0.465740I		
u = 0.947856 + 0.399001I		
a = 1.162700 + 0.604371I	-2.28558 - 1.78667I	0
b = 0.790022 + 0.241060I		
u = 0.947856 - 0.399001I		
a = 1.162700 - 0.604371I	-2.28558 + 1.78667I	0
b = 0.790022 - 0.241060I		
u = 0.968734 + 0.024336I		
a = 0.61065 + 1.41694I	-0.77817 - 5.28244I	0
b = 0.383892 + 0.156040I		
u = 0.968734 - 0.024336I		
a = 0.61065 - 1.41694I	-0.77817 + 5.28244I	0
b = 0.383892 - 0.156040I		
u = -0.166608 + 1.034190I		
a = -0.473620 - 0.611144I	-1.04142 + 2.04374I	0
b = 0.201200 + 0.046334I		
u = -0.166608 - 1.034190I		
a = -0.473620 + 0.611144I	-1.04142 - 2.04374I	0
b = 0.201200 - 0.046334I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -1.006100 + 0.315489I		
a = 2.10865 + 0.05491I	-0.31160 + 5.57110I	0
b = 2.57152 - 0.31924I		
u = -1.006100 - 0.315489I		
a = 2.10865 - 0.05491I	-0.31160 - 5.57110I	0
b = 2.57152 + 0.31924I		
u = -0.948274 + 0.465858I		
a = -0.096936 + 0.389458I	-0.49949 + 2.11576I	0
b = 0.783343 + 0.021851I		
u = -0.948274 - 0.465858I		
a = -0.096936 - 0.389458I	-0.49949 - 2.11576I	0
b = 0.783343 - 0.021851I		
u = -0.043615 + 0.939743I		
a = -0.608201 + 1.043260I	-1.83925 + 2.77276I	0
b = -0.449289 + 0.142500I		
u = -0.043615 - 0.939743I		
a = -0.608201 - 1.043260I	-1.83925 - 2.77276I	0
b = -0.449289 - 0.142500I		
u = -0.103365 + 1.075060I		
a = 0.257832 - 0.925480I	-3.03083 - 5.08964I	0
b = -0.401416 + 0.172859I		
u = -0.103365 - 1.075060I		
a = 0.257832 + 0.925480I	-3.03083 + 5.08964I	0
b = -0.401416 - 0.172859I		
u = 0.209631 + 0.891648I		
a = -0.323876 - 1.187200I	-2.06496 + 1.86441I	0
b = 0.534672 - 0.053449I		
u = 0.209631 - 0.891648I		
a = -0.323876 + 1.187200I	-2.06496 - 1.86441I	0
b = 0.534672 + 0.053449I		
	1	1

	Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
-	u = 0.913511 + 0.026956I		
	a = -1.094780 - 0.583268I	-0.75830 - 5.61050I	0
	b = -1.78144 - 1.29355I		
•	u = 0.913511 - 0.026956I		
	a = -1.094780 + 0.583268I	-0.75830 + 5.61050I	0
	b = -1.78144 + 1.29355I		
	u = -1.021910 + 0.394620I		
	a = -0.755643 + 0.301443I	1.67984 - 1.70771I	0
_	b = -1.49429 + 0.79233I		
	u = -1.021910 - 0.394620I		
	a = -0.755643 - 0.301443I	1.67984 + 1.70771I	0
	b = -1.49429 - 0.79233I		
	u = 1.021630 + 0.404588I		
	a = -1.80591 + 0.17101I	-1.56593 - 11.13020I	0
	b = -2.35188 - 0.35534I		
	u = 1.021630 - 0.404588I		
	a = -1.80591 - 0.17101I	-1.56593 + 11.13020I	0
_	b = -2.35188 + 0.35534I		
	u = 0.494596 + 0.746564I		
	a = 0.04206 - 1.46230I	0.07980 + 6.70477I	0
_	b = 0.846040 - 0.356835I		
	u = 0.494596 - 0.746564I		
	a = 0.04206 + 1.46230I	0.07980 - 6.70477I	0
	b = 0.846040 + 0.356835I		
	u = 0.409772 + 0.792393I		
	a = 0.659545 + 0.416504I	-0.62119 - 2.88256I	0
	b = -0.094912 + 0.880997I		
	u = 0.409772 - 0.792393I		
	a = 0.659545 - 0.416504I	-0.62119 + 2.88256I	0
-	b = -0.094912 - 0.880997I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.439928 + 1.017320I		
a = 0.469839 + 0.363233I	1.16243 + 3.40220I	0
b = 0.101180 + 0.549735I		
u = -0.439928 - 1.017320I		
a = 0.469839 - 0.363233I	1.16243 - 3.40220I	0
b = 0.101180 - 0.549735I		
u = -0.473109 + 0.745843I		
a = -0.989975 + 0.029769I	-0.03558 + 2.02814I	0
b = 0.1102610 + 0.0785284I		
u = -0.473109 - 0.745843I		
a = -0.989975 - 0.029769I	-0.03558 - 2.02814I	0
b = 0.1102610 - 0.0785284I		
u = 0.122766 + 0.871575I		
a = -0.547664 + 0.475647I	1.00419 + 2.17891I	0
b = 0.110992 + 0.599971I		
u = 0.122766 - 0.871575I		
a = -0.547664 - 0.475647I	1.00419 - 2.17891I	0
b = 0.110992 - 0.599971I		
u = -0.872659 + 0.021473I		
a = 0.955023 + 0.863297I	0.544965 - 0.181606I	0
b = 1.61678 + 1.28554I		
u = -0.872659 - 0.021473I		
a = 0.955023 - 0.863297I	0.544965 + 0.181606I	0
b = 1.61678 - 1.28554I		
u = 1.061940 + 0.387693I		
a = 0.752968 + 0.326112I	2.65927 - 3.49415I	0
b = 1.68899 + 0.74071I		
u = 1.061940 - 0.387693I		
a = 0.752968 - 0.326112I	2.65927 + 3.49415I	0
b = 1.68899 - 0.74071I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -1.029820 + 0.471134I		
a = -0.695018 + 0.627876I	-4.91072 + 2.60056I	0
b = -2.05239 + 0.07516I		
u = -1.029820 - 0.471134I		
a = -0.695018 - 0.627876I	-4.91072 - 2.60056I	0
b = -2.05239 - 0.07516I		
u = -1.042850 + 0.445106I		
a = -1.117350 + 0.501463I	-2.44187 + 5.72625I	0
b = -0.974232 + 0.390855I		
u = -1.042850 - 0.445106I		
a = -1.117350 - 0.501463I	-2.44187 - 5.72625I	0
b = -0.974232 - 0.390855I		
u = -0.313703 + 0.804817I		
a = -0.642167 + 0.426873I	-0.232400 - 0.983727I	0
b = 0.155789 + 0.796728I		
u = -0.313703 - 0.804817I		
a = -0.642167 - 0.426873I	-0.232400 + 0.983727I	0
b = 0.155789 - 0.796728I		
u = -1.135020 + 0.096203I		
a = 1.39768 - 1.41526I	-3.52324 + 2.42981I	0
b = 2.03788 - 1.09850I		
u = -1.135020 - 0.096203I		
a = 1.39768 + 1.41526I	-3.52324 - 2.42981I	0
b = 2.03788 + 1.09850I		
u = -1.094990 + 0.347334I		
a = -0.614598 + 0.358300I	-2.12331 + 12.08440I	0
b = -2.47322 + 0.66744I		
u = -1.094990 - 0.347334I		
a = -0.614598 - 0.358300I	-2.12331 - 12.08440I	0
b = -2.47322 - 0.66744I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 1.087640 + 0.370755I		
a = 0.658927 + 0.390268I	0.45219 - 6.49738I	0
b = 2.25881 + 0.57503I		
u = 1.087640 - 0.370755I		
a = 0.658927 - 0.390268I	0.45219 + 6.49738I	0
b = 2.25881 - 0.57503I		
u = -0.383925 + 0.758280I		
a = -0.949582 + 0.691523I	3.66110 + 5.98563I	0
b = 0.0585502 - 0.0482950I		
u = -0.383925 - 0.758280I		
a = -0.949582 - 0.691523I	3.66110 - 5.98563I	0
b = 0.0585502 + 0.0482950I		
u = -1.150780 + 0.071912I		
a = -0.446515 + 0.363356I	-8.05622 + 2.42918I	0
b = -1.26845 - 1.89681I		
u = -1.150780 - 0.071912I		
a = -0.446515 - 0.363356I	-8.05622 - 2.42918I	0
b = -1.26845 + 1.89681I		
u = 0.523690 + 0.664837I		
a = 0.656045 + 0.384686I	-0.63709 + 1.91849I	0
b = 0.151256 + 0.873918I		
u = 0.523690 - 0.664837I		
a = 0.656045 - 0.384686I	-0.63709 - 1.91849I	0
b = 0.151256 - 0.873918I		
u = 0.077307 + 1.152530I	_	
a = -0.610762 + 0.832657I	-6.59732 - 6.52254I	0
b = -0.1026890 + 0.0288167I		
u = 0.077307 - 1.152530I		
a = -0.610762 - 0.832657I	-6.59732 + 6.52254I	0
b = -0.1026890 - 0.0288167I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 1.157490 + 0.074157I		
a = -0.895828 + 0.135122I	-4.87734 - 1.50235I	0
b = -2.06913 - 0.93311I		
u = 1.157490 - 0.074157I		
a = -0.895828 - 0.135122I	-4.87734 + 1.50235I	0
b = -2.06913 + 0.93311I		
u = 0.512743 + 0.655907I		
a = 1.290390 + 0.139531I	-0.99697 - 6.30001I	0
b = 0.0081725 + 0.1250560I		
u = 0.512743 - 0.655907I		
a = 1.290390 - 0.139531I	-0.99697 + 6.30001I	0
b = 0.0081725 - 0.1250560I		
u = 0.358868 + 0.747225I		
a = 0.912763 + 0.764350I	4.83309 - 0.72593I	0
b = 0.0315625 - 0.0820181I		
u = 0.358868 - 0.747225I		
a = 0.912763 - 0.764350I	4.83309 + 0.72593I	0
b = 0.0315625 + 0.0820181I		
u = -1.171230 + 0.078145I		
a = -1.23232 - 1.98992I	-3.09865 + 4.77084I	0
b = -1.71566 - 1.63366I		
u = -1.171230 - 0.078145I		
a = -1.23232 + 1.98992I	-3.09865 - 4.77084I	0
b = -1.71566 + 1.63366I		
u = 1.145480 + 0.264663I		
a = 0.824884 + 0.488640I	-2.18439 - 4.50657I	0
b = 1.45286 - 0.24358I		
u = 1.145480 - 0.264663I		
a = 0.824884 - 0.488640I	-2.18439 + 4.50657I	0
b = 1.45286 + 0.24358I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 1.178790 + 0.109097I		
a = 1.03810 - 1.91406I	-5.16369 - 10.73600I	0
b = 1.61342 - 1.50768I		
u = 1.178790 - 0.109097I		
a = 1.03810 + 1.91406I	-5.16369 + 10.73600I	0
b = 1.61342 + 1.50768I		
u = 0.350762 + 0.736423I		
a = 0.824471 + 1.077340I	2.71377 + 2.34753I	0
b = 0.476660 - 0.249754I		
u = 0.350762 - 0.736423I		
a = 0.824471 - 1.077340I	2.71377 - 2.34753I	0
b = 0.476660 + 0.249754I		
u = -0.074986 + 1.184210I		
a = 0.611288 + 0.771304I	-0.18248 + 9.21724I	0
b = -0.0221398 + 0.0372648I		
u = -0.074986 - 1.184210I		
a = 0.611288 - 0.771304I	-0.18248 - 9.21724I	0
b = -0.0221398 - 0.0372648I		
u = -1.182310 + 0.109853I		
a = 0.980182 + 0.264074I	-6.13126 + 5.46331I	0
b = 2.24126 - 0.83390I		
u = -1.182310 - 0.109853I		
a = 0.980182 - 0.264074I	-6.13126 - 5.46331I	0
b = 2.24126 + 0.83390I		
u = 0.084791 + 1.190600I		
a = -0.633586 + 0.768477I	-2.2740 - 15.0260I	0
b = 0.0385920 - 0.0115308I		
u = 0.084791 - 1.190600I		
a = -0.633586 - 0.768477I	-2.2740 + 15.0260I	0
b = 0.0385920 + 0.0115308I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.521370 + 0.614871I		
a = -0.14023 - 1.66409I	1.10086 - 1.82815I	0
b = -0.805733 - 0.557452I		
u = -0.521370 - 0.614871I		
a = -0.14023 + 1.66409I	1.10086 + 1.82815I	0
b = -0.805733 + 0.557452I		
u = 1.191350 + 0.124175I		
a = 0.608850 + 0.381822I	-3.52865 - 5.52089I	0
b = 1.61182 - 1.21452I		
u = 1.191350 - 0.124175I		
a = 0.608850 - 0.381822I	-3.52865 + 5.52089I	0
b = 1.61182 + 1.21452I		
u = 1.199570 + 0.020586I		
a = -0.950215 - 0.946839I	-6.97409 + 1.38401I	0
b = -1.96369 - 0.36176I		
u = 1.199570 - 0.020586I		
a = -0.950215 + 0.946839I	-6.97409 - 1.38401I	0
b = -1.96369 + 0.36176I		
u = 0.009940 + 1.202340I		
a = 0.152701 - 0.721877I	-3.37095 + 1.01527I	0
b = -0.162865 + 0.233313I		
u = 0.009940 - 1.202340I		
a = 0.152701 + 0.721877I	-3.37095 - 1.01527I	0
b = -0.162865 - 0.233313I		
u = -0.006295 + 1.206770I		
a = 0.414908 + 0.867625I	0.77508 + 4.01705I	0
b = 0.130140 + 0.293336I		
u = -0.006295 - 1.206770I		
a = 0.414908 - 0.867625I	0.77508 - 4.01705I	0
b = 0.130140 - 0.293336I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -1.214870 + 0.084740I		
a = 0.885085 + 0.447815I	-7.02455 - 0.37232I	0
b = 2.17241 - 0.50810I		
u = -1.214870 - 0.084740I		
a = 0.885085 - 0.447815I	-7.02455 + 0.37232I	0
b = 2.17241 + 0.50810I		
u = 1.136840 + 0.448961I		
a = -0.039366 + 0.246237I	-2.02741 - 7.04890I	0
b = -0.894431 - 0.344364I		
u = 1.136840 - 0.448961I		
a = -0.039366 - 0.246237I	-2.02741 + 7.04890I	0
b = -0.894431 + 0.344364I		
u = 1.222220 + 0.038878I		
a = -0.665158 + 0.138449I	-5.17211 - 1.79123I	0
b = -1.83516 - 0.86764I		
u = 1.222220 - 0.038878I		
a = -0.665158 - 0.138449I	-5.17211 + 1.79123I	0
b = -1.83516 + 0.86764I		
u = -1.179980 + 0.332676I		
a = -0.979830 + 0.385264I	-2.90773 + 1.67823I	0
b = -1.39508 + 0.31645I		
u = -1.179980 - 0.332676I		
a = -0.979830 - 0.385264I	-2.90773 - 1.67823I	0
b = -1.39508 - 0.31645I		
u = -1.222950 + 0.098574I		
a = -0.611746 + 0.306596I	-5.88701 + 10.52240I	0
b = -1.91149 - 1.35410I		
u = -1.222950 - 0.098574I		
a = -0.611746 - 0.306596I	-5.88701 - 10.52240I	0
b = -1.91149 + 1.35410I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.337983 + 0.683082I		
a = -0.90210 + 1.18684I	0.15922 - 8.16631I	0
b = -0.508297 - 0.479779I		
u = -0.337983 - 0.683082I		
a = -0.90210 - 1.18684I	0.15922 + 8.16631I	0
b = -0.508297 + 0.479779I		
u = 1.232460 + 0.170914I		
a = -1.40923 - 0.77204I	-7.17036 - 6.09836I	0
b = -2.36457 - 0.75685I		
u = 1.232460 - 0.170914I		
a = -1.40923 + 0.77204I	-7.17036 + 6.09836I	0
b = -2.36457 + 0.75685I		
u = 1.247090 + 0.055355I		
a = 1.23653 - 1.45284I	-9.93442 - 2.22963I	0
b = 1.81286 - 1.27652I		
u = 1.247090 - 0.055355I		
a = 1.23653 + 1.45284I	-9.93442 + 2.22963I	0
b = 1.81286 + 1.27652I		
u = 1.259070 + 0.111332I		
a = -0.487282 + 0.213669I	-5.41124 - 1.66385I	0
b = -1.63698 - 0.76567I		
u = 1.259070 - 0.111332I		
a = -0.487282 - 0.213669I	-5.41124 + 1.66385I	0
b = -1.63698 + 0.76567I		
u = -0.553673 + 0.474572I		
a = -0.599887 + 0.333001I	-0.22539 + 1.84351I	0
b = -0.399140 + 0.634231I		
u = -0.553673 - 0.474572I		
a = -0.599887 - 0.333001I	-0.22539 - 1.84351I	0
b = -0.399140 - 0.634231I		

$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
-0.22902 + 1.47887I	0
-0.22902 - 1.47887I	0
-3.66448 + 0.68864I	0
-3.66448 - 0.68864I	0
-7.48248 + 1.01387I	0
-7.48248 - 1.01387I	0
-6.85153 + 5.21485I	0
-6.85153 - 5.21485I	0
-5.93701 - 6.27570I	0
-5.93701 + 6.27570I	0
	-0.22902 + 1.47887I $-0.22902 - 1.47887I$ $-3.66448 + 0.68864I$ $-3.66448 - 0.68864I$ $-7.48248 + 1.01387I$ $-7.48248 - 1.01387I$ $-6.85153 + 5.21485I$ $-6.85153 - 5.21485I$ $-5.93701 - 6.27570I$

$\begin{array}{c} u = 1.311700 + 0.469067I \\ a = -0.609227 + 0.018349I & -7.59726 - 0.05302I \\ b = -1.48382 + 0.51985I \\ u = 1.311700 - 0.469067I \\ a = -0.609227 - 0.018349I & -7.59726 + 0.05302I \\ b = -1.48382 - 0.51985I \\ u = 1.319020 + 0.487375I \\ a = -1.136060 - 0.088242I & -5.69234 - 6.96557I \\ b = -2.16649 - 0.55772I \\ u = 1.319020 - 0.487375I \\ a = -1.136060 + 0.088242I & -5.69234 + 6.96557I \\ b = -2.16649 + 0.55772I \\ u = 1.32202 + 0.51370I \\ a = 0.977648 - 0.376818I & -5.90649 - 7.98073I \\ b = 1.62556 - 0.30335I \\ u = 1.32202 - 0.51370I \\ a = 0.977648 + 0.376818I & -5.90649 + 7.98073I \\ b = 1.62556 + 0.30335I \\ u = -1.39490 + 0.29190I \\ a = 1.138630 - 0.515829I & -7.73023 + 4.29582I \\ b = 2.25135 - 0.91332I \\ u = -1.39490 - 0.29190I \\ a = 1.138630 + 0.515829I & -7.73023 - 4.29582I \\ 0 = 2.25135 + 0.91332I \\ u = 1.37105 + 0.42048I \\ \hline \end{array}$	Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$\begin{array}{c} b = -1.48382 + 0.51985I \\ \hline u = 1.311700 - 0.469067I \\ a = -0.609227 - 0.018349I & -7.59726 + 0.05302I \\ b = -1.48382 - 0.51985I \\ \hline u = 1.319020 + 0.487375I \\ a = -1.136060 - 0.088242I & -5.69234 - 6.96557I \\ \hline b = -2.16649 - 0.55772I \\ \hline u = 1.319020 - 0.487375I \\ a = -1.136060 + 0.088242I & -5.69234 + 6.96557I \\ \hline b = -2.16649 + 0.55772I \\ \hline u = 1.32202 + 0.51370I \\ a = 0.977648 - 0.376818I & -5.90649 - 7.98073I \\ \hline b = 1.62556 - 0.30335I \\ \hline u = 1.32202 - 0.51370I \\ a = 0.977648 + 0.376818I & -5.90649 + 7.98073I \\ \hline b = 1.62556 + 0.30335I \\ \hline u = -1.39490 + 0.29190I \\ a = 1.138630 - 0.515829I & -7.73023 + 4.29582I \\ \hline b = 2.25135 - 0.91332I \\ \hline u = -1.39490 - 0.29190I \\ a = 1.138630 + 0.515829I & -7.73023 - 4.29582I \\ \hline b = 2.25135 + 0.91332I \\ \hline \end{array}$	u = 1.311700 + 0.469067I		
$\begin{array}{c} u = & 1.311700 - 0.469067I \\ a = & -0.609227 - 0.018349I - 7.59726 + 0.05302I \\ b = & -1.48382 - 0.51985I \\ \hline u = & 1.319020 + 0.487375I \\ a = & -1.136060 - 0.088242I - 5.69234 - 6.96557I \\ b = & -2.16649 - 0.55772I \\ \hline u = & 1.319020 - 0.487375I \\ a = & -1.136060 + 0.088242I - 5.69234 + 6.96557I \\ b = & -2.16649 + 0.55772I \\ \hline u = & 1.32202 + 0.51370I \\ a = & 0.977648 - 0.376818I - 5.90649 - 7.98073I \\ b = & 1.62556 - 0.30335I \\ \hline u = & 1.32202 - 0.51370I \\ a = & 0.977648 + 0.376818I - 5.90649 + 7.98073I \\ b = & 1.62556 + 0.30335I \\ \hline u = & -1.39490 + 0.29190I \\ a = & 1.138630 - 0.515829I - 7.73023 + 4.29582I \\ b = & 2.25135 - 0.91332I \\ \hline u = & -1.39490 - 0.29190I \\ a = & 1.138630 + 0.515829I - 7.73023 - 4.29582I \\ b = & 2.25135 + 0.91332I \\ \hline \end{array}$	a = -0.609227 + 0.018349I	-7.59726 - 0.05302I	0
$\begin{array}{c} a = -0.609227 - 0.018349I & -7.59726 + 0.05302I \\ b = -1.48382 - 0.51985I \\ \hline u = 1.319020 + 0.487375I \\ a = -1.136060 - 0.088242I & -5.69234 - 6.96557I \\ \hline b = -2.16649 - 0.55772I \\ \hline u = 1.319020 - 0.487375I \\ a = -1.136060 + 0.088242I & -5.69234 + 6.96557I \\ \hline b = -2.16649 + 0.55772I \\ \hline u = 1.32202 + 0.51370I \\ a = 0.977648 - 0.376818I & -5.90649 - 7.98073I \\ \hline b = 1.62556 - 0.30335I \\ \hline u = 1.32202 - 0.51370I \\ a = 0.977648 + 0.376818I & -5.90649 + 7.98073I \\ \hline b = 1.62556 + 0.30335I \\ \hline u = -1.39490 + 0.29190I \\ a = 1.138630 - 0.515829I & -7.73023 + 4.29582I \\ \hline b = 2.25135 - 0.91332I \\ \hline u = -1.39490 - 0.29190I \\ a = 1.138630 + 0.515829I & -7.73023 - 4.29582I \\ \hline b = 2.25135 + 0.91332I \\ \hline \end{array}$	b = -1.48382 + 0.51985I		
$\begin{array}{c} b = -1.48382 - 0.51985I \\ u = 1.319020 + 0.487375I \\ a = -1.136060 - 0.088242I \\ -5.69234 - 6.96557I \\ 0 \\ b = -2.16649 - 0.55772I \\ \hline \\ u = 1.319020 - 0.487375I \\ a = -1.136060 + 0.088242I \\ -5.69234 + 6.96557I \\ 0 \\ b = -2.16649 + 0.55772I \\ \hline \\ u = 1.32202 + 0.51370I \\ a = 0.977648 - 0.376818I \\ -5.90649 - 7.98073I \\ 0 \\ b = 1.62556 - 0.30335I \\ \hline \\ u = 1.32202 - 0.51370I \\ a = 0.977648 + 0.376818I \\ -5.90649 + 7.98073I \\ 0 \\ b = 1.62556 + 0.30335I \\ \hline \\ u = -1.39490 + 0.29190I \\ a = 1.138630 - 0.515829I \\ 0 \\ b = 2.25135 - 0.91332I \\ \hline \\ u = -1.39490 - 0.29190I \\ a = 1.138630 + 0.515829I \\ -7.73023 - 4.29582I \\ 0 \\ b = 2.25135 + 0.91332I \\ \hline \end{array}$	u = 1.311700 - 0.469067I		
$\begin{array}{c} u = & 1.319020 + 0.487375I \\ a = & -1.136060 - 0.088242I \\ b = & -2.16649 - 0.55772I \\ \hline u = & 1.319020 - 0.487375I \\ a = & -1.136060 + 0.088242I \\ b = & -2.16649 + 0.55772I \\ \hline u = & 1.32202 + 0.51370I \\ a = & 0.977648 - 0.376818I \\ b = & 1.62556 - 0.30335I \\ \hline u = & 1.32202 - 0.51370I \\ a = & 0.977648 + 0.376818I \\ -5.90649 - 7.98073I \\ 0 \\ b = & 1.62556 + 0.30335I \\ \hline u = & 1.32402 - 0.51370I \\ a = & 0.977648 + 0.376818I \\ a = & 0.977648 + 0.376818I \\ a = & 0.977648 + 0.376818I \\ \hline u = & -1.39490 + 0.29190I \\ a = & 1.138630 - 0.515829I \\ a = & 1.138630 - 0.29190I \\ a = & 1.138630 + 0.515829I \\ \hline u = & -1.39490 - 0.29190I \\ a = & 1.138630 + 0.515829I \\ \hline u = & -1.39490 - 0.29190I \\ a = & 1.138630 + 0.515829I \\ \hline -7.73023 - 4.29582I \\ 0 \\ b = & 2.25135 + 0.91332I \\ \hline \end{array}$	a = -0.609227 - 0.018349I	-7.59726 + 0.05302I	0
$\begin{array}{c} a = -1.136060 - 0.088242I & -5.69234 - 6.96557I \\ b = -2.16649 - 0.55772I \\ \hline u = 1.319020 - 0.487375I \\ a = -1.136060 + 0.088242I & -5.69234 + 6.96557I \\ \hline 0 \\ b = -2.16649 + 0.55772I \\ \hline u = 1.32202 + 0.51370I \\ a = 0.977648 - 0.376818I & -5.90649 - 7.98073I \\ \hline 0 \\ b = 1.62556 - 0.30335I \\ \hline u = 1.32202 - 0.51370I \\ a = 0.977648 + 0.376818I & -5.90649 + 7.98073I \\ \hline 0 \\ b = 1.62556 + 0.30335I \\ \hline u = -1.39490 + 0.29190I \\ a = 1.138630 - 0.515829I & -7.73023 + 4.29582I \\ \hline 0 \\ b = 2.25135 - 0.91332I \\ \hline u = -1.39490 - 0.29190I \\ a = 1.138630 + 0.515829I & -7.73023 - 4.29582I \\ \hline 0 \\ b = 2.25135 + 0.91332I \\ \hline \end{array}$	b = -1.48382 - 0.51985I		
$\begin{array}{c} b = -2.16649 - 0.55772I \\ u = 1.319020 - 0.487375I \\ a = -1.136060 + 0.088242I \\ b = -2.16649 + 0.55772I \\ \hline \\ u = 1.32202 + 0.51370I \\ a = 0.977648 - 0.376818I \\ \hline \\ u = 1.32202 - 0.51370I \\ a = 0.977648 + 0.376818I \\ \hline \\ u = 1.32202 - 0.51370I \\ a = 0.977648 + 0.376818I \\ \hline \\ u = 1.32202 - 0.51370I \\ a = 0.977648 + 0.376818I \\ \hline \\ u = -1.39490 + 0.29190I \\ a = 1.138630 - 0.515829I \\ \hline \\ u = -1.39490 - 0.29190I \\ a = 1.138630 + 0.515829I \\ \hline \\ u = -1.39490 - 0.29190I \\ a = 1.138630 + 0.515829I \\ \hline \\ u = -7.73023 - 4.29582I \\ \hline \\ 0 \\ b = 2.25135 + 0.91332I \\ \hline \end{array}$	u = 1.319020 + 0.487375I		
$\begin{array}{c} u = & 1.319020 - 0.487375I \\ a = & -1.136060 + 0.088242I \\ b = & -2.16649 + 0.55772I \\ \hline \\ u = & 1.32202 + 0.51370I \\ a = & 0.977648 - 0.376818I \\ \hline \\ b = & 1.62556 - 0.30335I \\ \hline \\ u = & 1.32202 - 0.51370I \\ a = & 0.977648 + 0.376818I \\ \hline \\ a = & 0.977648 + 0.376818I \\ \hline \\ a = & 0.977648 + 0.376818I \\ \hline \\ u = & -1.39490 + 0.29190I \\ a = & 1.138630 - 0.515829I \\ \hline \\ u = & -1.39490 - 0.29190I \\ a = & 1.138630 + 0.515829I \\ \hline \\ a = & 1.138630 + 0.515829I \\ \hline \\ a = & 1.138630 + 0.515829I \\ \hline \\ a = & 2.25135 + 0.91332I \\ \hline \\ a = & 2.25135 + 0.91332I \\ \hline \\ a = & 2.25135 + 0.91332I \\ \hline \\ a = & 2.25135 + 0.91332I \\ \hline \\ a = & 2.25135 + 0.91332I \\ \hline \\ a = & 2.25135 + 0.91332I \\ \hline \\ a = & 2.25135 + 0.91332I \\ \hline \\ a = & 2.25135 + 0.91332I \\ \hline \\ a = & 2.25135 + 0.91332I \\ \hline \\ a = & 2.25135 + 0.91332I \\ \hline \\ a = & 2.25135 + 0.91332I \\ \hline \\ a = & 2.25135 + 0.91332I \\ \hline \\ a = & 2.25135 + 0.91332I \\ \hline \\ a = & 2.25135 + 0.91332I \\ \hline \\ a = & 2.25135 + 0.91332I \\ \hline \\ a = & 2.25135 + 0.91332I \\ \hline \\ a = & 2.25135 + 0.91332I \\ \hline \\ a = & 2.25135 + 0.91332I \\ \hline \\ a = & 2.25135 + 0.91332I \\ \hline \\ a = & 2.25135 + 0.91332I \\ \hline \\ a = & 2.25135 + 0.91332I \\ \hline \\ a = & 2.25135 + 0.91332I \\ \hline \\ a = & 2.25135 + 0.91332I \\ \hline \\ a = & 2.25135 + 0.91332I \\ \hline \\ a = & 2.25135 + 0.91332I \\ \hline \\ a = & 2.25135 + 0.91332I \\ \hline \\ a = & 2.25135 + 0.91332I \\ \hline \\ a = & 2.25135 + 0.91332I \\ \hline \\ a = & 2.25135 + 0.91332I \\ \hline \\ a = & 2.25135 + 0.91332I \\ \hline \\ a = & 2.25135 + 0.91332I \\ \hline \\ a = & 2.25135 + 0.91332I \\ \hline \\ a = & 2.25135 + 0.91332I \\ \hline \\ a = & 2.25135 + 0.91332I \\ \hline \\ a = & 2.25135 + 0.91332I \\ \hline \\ a = & 2.25135 + 0.91332I \\ \hline \\ a = & 2.25135 + 0.91332I \\ \hline \\ a = & 2.25135 + 0.91332I \\ \hline \\ a = & 2.25135 + 0.91332I \\ \hline \\ a = & 2.25135 + 0.91332I \\ \hline \\ a = & 2.25135 + 0.91332I \\ \hline \\ a = & 2.25135 + 0.91332I \\ \hline \\ a = & 2.25135 + 0.91332I \\ \hline \\ a = & 2.25135 + 0.91332I \\ \hline \\ a = & 2.25135 + 0.91332I \\ \hline \\ a = & 2.25135 + 0.91332I \\ \hline \\ a = & 2.25135 + 0.91332I \\ \hline \\ a = & 2.25135 + 0.91332I \\ \hline \\ a = & 2.25135 + 0.91332I \\ \hline \\ a = & 2.25135 + 0.91332I$	a = -1.136060 - 0.088242I	-5.69234 - 6.96557I	0
$\begin{array}{c} a = -1.136060 + 0.088242I & -5.69234 + 6.96557I & 0 \\ b = -2.16649 + 0.55772I & & & & \\ \hline u = & 1.32202 + 0.51370I & & & \\ a = & 0.977648 - 0.376818I & -5.90649 - 7.98073I & 0 \\ b = & 1.62556 - 0.30335I & & & \\ \hline u = & 1.32202 - 0.51370I & & & \\ a = & 0.977648 + 0.376818I & -5.90649 + 7.98073I & 0 \\ b = & 1.62556 + 0.30335I & & & \\ \hline u = -1.39490 + 0.29190I & & & \\ a = & 1.138630 - 0.515829I & -7.73023 + 4.29582I & 0 \\ b = & 2.25135 - 0.91332I & & & \\ \hline u = -1.39490 - 0.29190I & & & \\ a = & 1.138630 + 0.515829I & -7.73023 - 4.29582I & 0 \\ b = & 2.25135 + 0.91332I & & & \\ \hline \end{array}$	b = -2.16649 - 0.55772I		
$\begin{array}{c} b = -2.16649 + 0.55772I \\ u = 1.32202 + 0.51370I \\ a = 0.977648 - 0.376818I & -5.90649 - 7.98073I & 0 \\ b = 1.62556 - 0.30335I \\ u = 1.32202 - 0.51370I \\ a = 0.977648 + 0.376818I & -5.90649 + 7.98073I & 0 \\ b = 1.62556 + 0.30335I \\ u = -1.39490 + 0.29190I \\ a = 1.138630 - 0.515829I & -7.73023 + 4.29582I & 0 \\ b = 2.25135 - 0.91332I \\ u = -1.39490 - 0.29190I \\ a = 1.138630 + 0.515829I & -7.73023 - 4.29582I & 0 \\ b = 2.25135 + 0.91332I & 0 \\ \end{array}$	u = 1.319020 - 0.487375I		
$\begin{array}{c} u = & 1.32202 + 0.51370I \\ a = & 0.977648 - 0.376818I \\ b = & 1.62556 - 0.30335I \\ \hline u = & 1.32202 - 0.51370I \\ a = & 0.977648 + 0.376818I \\ b = & 1.62556 + 0.30335I \\ \hline u = -1.39490 + 0.29190I \\ a = & 1.138630 - 0.515829I \\ u = -1.39490 - 0.29190I \\ a = & 1.138630 + 0.515829I \\ \hline u = -1.39490 - 0.29190I \\ a = & 1.138630 + 0.515829I \\ \hline u = -1.39490 - 0.29190I \\ a = & 1.138630 + 0.515829I \\ \hline u = -1.39490 - 0.29190I \\ a = & 1.138630 + 0.515829I \\ \hline u = -1.39490 - 0.29190I \\ a = & 1.138630 + 0.515829I \\ \hline u = -1.39490 - 0.29190I \\ a = & 1.138630 + 0.515829I \\ \hline u = -1.39490 - 0.29190I \\ a = & 1.138630 + 0.515829I \\ \hline u = -1.39490 - 0.29190I \\ a = & 1.138630 + 0.515829I \\ \hline u = -1.39490 - 0.29190I \\ a = & 1.138630 + 0.515829I \\ \hline u = -1.39490 - 0.29190I \\ a = & 1.138630 + 0.515829I \\ \hline u = -1.39490 - 0.29190I \\ a = & 1.138630 + 0.515829I \\ \hline u = -1.39490 - 0.29190I \\ a = & 1.138630 + 0.515829I \\ \hline u = -1.39490 - 0.29190I \\ a = & 1.138630 + 0.515829I \\ \hline u = -1.39490 - 0.29190I \\ a = & 1.138630 + 0.515829I \\ \hline u = -1.39490 - 0.29190I \\ a = & 1.138630 + 0.515829I \\ \hline u = -1.39490 - 0.29190I \\ a = & 1.138630 + 0.515829I \\ \hline u = -1.39490 - 0.29190I \\ a = & 1.138630 + 0.515829I \\ \hline u = -1.39490 - 0.29190I \\ a = & 1.138630 + 0.515829I \\ \hline u = -1.39490 - 0.29190I \\ a = & 1.138630 + 0.515829I \\ \hline u = -1.39490 - 0.29190I \\ a = & 1.138630 + 0.515829I \\ \hline u = -1.39490 - 0.29190I \\ a = & 1.138630 + 0.515829I \\ \hline u = -1.39490 - 0.29190I \\ a = & 1.138630 + 0.515829I \\ \hline u = -1.39490 - 0.29190I \\ a = & 1.138630 + 0.515829I \\ \hline u = -1.39490 - 0.29190I \\ a = & 1.138630 + 0.515829I \\ \hline u = -1.39490 - 0.29190I \\ a = & 1.138630 + 0.515829I \\ \hline u = -1.39490 - 0.29190I \\ a = & 1.138630 + 0.515829I \\ \hline u = -1.39490 - 0.29190I \\ a = & 1.138630 + 0.515829I \\ \hline u = -1.39490 - 0.29190I \\ a = & 1.138630 + 0.515829I \\ \hline u = -1.39490 - 0.29190I \\ a = & 1.138630 + 0.515829I \\ \hline u = -1.39490 - 0.29190I \\ a = & 1.138630 + 0.515829I \\ \hline u = -1.39490 + 0.29190I \\ \hline u = 0.00400 + 0.00400 + 0.00400 + 0.00400 + 0.00400 + 0.00400 + 0.00400 + 0.$	a = -1.136060 + 0.088242I	-5.69234 + 6.96557I	0
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	b = -2.16649 + 0.55772I		
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	u = 1.32202 + 0.51370I		
$\begin{array}{c} u = & 1.32202 - 0.51370I \\ a = & 0.977648 + 0.376818I \\ b = & 1.62556 + 0.30335I \\ \hline u = -1.39490 + 0.29190I \\ a = & 1.138630 - 0.515829I \\ b = & 2.25135 - 0.91332I \\ \hline u = -1.39490 - 0.29190I \\ a = & 1.138630 + 0.515829I \\ b = & 2.25135 + 0.91332I \\ \hline \end{array}$	a = 0.977648 - 0.376818I	-5.90649 - 7.98073I	0
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	b = 1.62556 - 0.30335I		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	u = 1.32202 - 0.51370I		
$\begin{array}{c} u = -1.39490 + 0.29190I \\ a = 1.138630 - 0.515829I \\ b = 2.25135 - 0.91332I \\ u = -1.39490 - 0.29190I \\ a = 1.138630 + 0.515829I \\ b = 2.25135 + 0.91332I \\ \end{array}$	a = 0.977648 + 0.376818I	-5.90649 + 7.98073I	0
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	b = 1.62556 + 0.30335I		
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	u = -1.39490 + 0.29190I		
	a = 1.138630 - 0.515829I	-7.73023 + 4.29582I	0
a = 1.138630 + 0.515829I $-7.73023 - 4.29582I$ 0 $b = 2.25135 + 0.91332I$	b = 2.25135 - 0.91332I		
b = 2.25135 + 0.91332I	u = -1.39490 - 0.29190I		
	a = 1.138630 + 0.515829I	-7.73023 - 4.29582I	0
$y = -1.37105 \pm 0.42048I$	b = 2.25135 + 0.91332I		
a = 1.9/100 0.420401	u = 1.37105 + 0.42048I		
a = -1.081160 - 0.264992I -5.87340 - 7.08858I	a = -1.081160 - 0.264992I	-5.87340 - 7.08858I	0
b = -2.08465 - 0.67973I	b = -2.08465 - 0.67973I		
u = 1.37105 - 0.42048I	u = 1.37105 - 0.42048I		
a = -1.081160 + 0.264992I -5.87340 + 7.08858I	a = -1.081160 + 0.264992I	-5.87340 + 7.08858I	0
b = -2.08465 + 0.67973I	b = -2.08465 + 0.67973I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -1.35398 + 0.54659I		
a = 1.037700 + 0.010983I	-7.02366 + 10.93540I	0
b = 2.18551 - 0.46064I		
u = -1.35398 - 0.54659I		
a = 1.037700 - 0.010983I	-7.02366 - 10.93540I	0
b = 2.18551 + 0.46064I		
u = -1.39012 + 0.46177I		
a = -0.983149 - 0.103026I	-4.12378 + 1.84628I	0
b = -1.56692 - 0.06387I		
u = -1.39012 - 0.46177I		
a = -0.983149 + 0.103026I	-4.12378 - 1.84628I	0
b = -1.56692 + 0.06387I		
u = 0.077822 + 0.517192I		
a = -0.042973 + 1.153600I	0.79313 + 1.54992I	0
b = 0.442844 + 0.516492I		
u = 0.077822 - 0.517192I		
a = -0.042973 - 1.153600I	0.79313 - 1.54992I	0
b = 0.442844 - 0.516492I		
u = 1.38794 + 0.52494I		
a = 1.151980 + 0.364855I	-3.74007 - 9.98254I	0
b = 2.03780 + 0.50960I		
u = 1.38794 - 0.52494I		
a = 1.151980 - 0.364855I	-3.74007 + 9.98254I	0
b = 2.03780 - 0.50960I		
u = -1.35907 + 0.60513I		
a = -1.175010 + 0.561048I	-5.44353 + 2.80424I	0
b = -2.01499 + 0.38181I		
u = -1.35907 - 0.60513I		
a = -1.175010 - 0.561048I	-5.44353 - 2.80424I	0
b = -2.01499 - 0.38181I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -1.40097 + 0.51596I		
a = -1.101200 + 0.346640I	-11.2687 + 12.3565I	0
b = -2.20239 + 0.57007I		
u = -1.40097 - 0.51596I		
a = -1.101200 - 0.346640I	-11.2687 - 12.3565I	0
b = -2.20239 - 0.57007I		
u = -1.37195 + 0.59278I		
a = 0.587596 - 0.055233I	-4.72161 + 4.05361I	0
b = 1.264170 + 0.153162I		
u = -1.37195 - 0.59278I		
a = 0.587596 + 0.055233I	-4.72161 - 4.05361I	0
b = 1.264170 - 0.153162I		
u = 1.40620 + 0.53059I		
a = 1.113250 + 0.329635I	-4.8525 - 15.1923I	0
b = 2.17755 + 0.67040I		
u = 1.40620 - 0.53059I		
a = 1.113250 - 0.329635I	-4.8525 + 15.1923I	0
b = 2.17755 - 0.67040I		
u = -1.47078 + 0.33869I		
a = 0.982642 - 0.510574I	-7.22827 + 10.15400I	0
b = 2.02199 - 1.05158I		
u = -1.47078 - 0.33869I		
a = 0.982642 + 0.510574I	-7.22827 - 10.15400I	0
b = 2.02199 + 1.05158I		
u = -1.41339 + 0.53128I		
a = -1.108950 + 0.323663I	-6.9974 + 21.0296I	0
b = -2.21661 + 0.69429I		
u = -1.41339 - 0.53128I		
a = -1.108950 - 0.323663I	-6.9974 - 21.0296I	0
b = -2.21661 - 0.69429I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -1.41657 + 0.52796I		
a = 0.894339 - 0.034315I	-7.99671 + 5.07222I	0
b = 2.04741 - 0.31774I		
u = -1.41657 - 0.52796I		
a = 0.894339 + 0.034315I	-7.99671 - 5.07222I	0
b = 2.04741 + 0.31774I		
u = 1.42832 + 0.51696I		
a = -0.707537 - 0.038113I	-8.05429 - 7.15608I	0
b = -1.72162 + 0.02398I		
u = 1.42832 - 0.51696I		
a = -0.707537 + 0.038113I	-8.05429 + 7.15608I	0
b = -1.72162 - 0.02398I		
u = 1.48600 + 0.40235I		
a = -0.881448 - 0.423908I	-6.16462 - 6.52287I	0
b = -1.79299 - 0.92209I		
u = 1.48600 - 0.40235I		
a = -0.881448 + 0.423908I	-6.16462 + 6.52287I	0
b = -1.79299 + 0.92209I		
u = 0.329528 + 0.311108I		
a = 2.64729 - 0.01620I	-2.28250 - 1.41843I	-10.96887 + 3.04728I
b = 0.202174 - 0.266844I		
u = 0.329528 - 0.311108I		
a = 2.64729 + 0.01620I	-2.28250 + 1.41843I	-10.96887 - 3.04728I
b = 0.202174 + 0.266844I		
u = 1.46134 + 0.56591I		
a = 0.675399 - 0.199345I	-10.94210 + 0.13111I	0
b = 1.298770 - 0.275770I		
u = 1.46134 - 0.56591I		
a = 0.675399 + 0.199345I	-10.94210 - 0.13111I	0
b = 1.298770 + 0.275770I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -1.54826 + 0.54683I		
a = -0.575383 - 0.080483I	-4.75456 - 2.53354I	0
b = -1.111390 - 0.198391I		
u = -1.54826 - 0.54683I		
a = -0.575383 + 0.080483I	-4.75456 + 2.53354I	0
b = -1.111390 + 0.198391I		
u = 1.58891 + 0.50038I		
a = -0.589038 - 0.384733I	-3.39578 - 10.81060I	0
b = -1.138810 - 0.782176I		
u = 1.58891 - 0.50038I		
a = -0.589038 + 0.384733I	-3.39578 + 10.81060I	0
b = -1.138810 + 0.782176I		
u = 1.55817 + 0.58962I		
a = 0.523360 - 0.123280I	-6.74069 + 8.23797I	0
b = 1.070320 - 0.289966I		
u = 1.55817 - 0.58962I		
a = 0.523360 + 0.123280I	-6.74069 - 8.23797I	0
b = 1.070320 + 0.289966I		
u = -1.57877 + 0.55933I		
a = 0.550205 - 0.299586I	-2.39409 + 5.65869I	0
b = 1.069390 - 0.562308I		
u = -1.57877 - 0.55933I		
a = 0.550205 + 0.299586I	-2.39409 - 5.65869I	0
b = 1.069390 + 0.562308I		
u = -0.244994 + 0.019428I		
a = 2.82334 - 1.75655I	-5.53952 - 1.76841I	-6.31054 + 0.53214I
b = -0.720345 + 1.197780I		
u = -0.244994 - 0.019428I		
a = 2.82334 + 1.75655I	-5.53952 + 1.76841I	-6.31054 - 0.53214I
b = -0.720345 - 1.197780I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.220248 + 0.058584I		
a = -2.06030 - 3.56868I	-1.06632 - 1.46141I	-4.65838 + 2.99597I
b = -0.018963 - 0.770201I		
u = -0.220248 - 0.058584I		
a = -2.06030 + 3.56868I	-1.06632 + 1.46141I	-4.65838 - 2.99597I
b = -0.018963 + 0.770201I		
u = -0.136256 + 0.050619I		
a = -7.86888 + 1.63778I	-3.04957 + 4.66149I	-12.8011 - 6.5761I
b = -0.201382 - 0.626587I		
u = -0.136256 - 0.050619I		
a = -7.86888 - 1.63778I	-3.04957 - 4.66149I	-12.8011 + 6.5761I
b = -0.201382 + 0.626587I		
u = -0.0073798 + 0.1121080I		
a = 1.72286 - 8.23141I	-3.48377 + 1.26062I	-14.5556 - 1.8178I
b = -0.076112 + 0.803118I		
u = -0.0073798 - 0.1121080I		
a = 1.72286 + 8.23141I	-3.48377 - 1.26062I	-14.5556 + 1.8178I
b = -0.076112 - 0.803118I		
u = -0.0530995 + 0.0941323I		
a = 0.84618 + 9.22200I	-0.00983 + 4.32982I	-0.237716 - 1.379884I
b = 0.873013 + 1.012040I		
u = -0.0530995 - 0.0941323I		
a = 0.84618 - 9.22200I	-0.00983 - 4.32982I	-0.237716 + 1.379884I
b = 0.873013 - 1.012040I		
u = 0.0894092 + 0.0264817I		
a = -11.35930 - 2.50398I	-2.05940 + 9.80001I	-2.85598 - 5.19981I
b = -0.91861 - 1.11978I		
u = 0.0894092 - 0.0264817I		
a = -11.35930 + 2.50398I	-2.05940 - 9.80001I	-2.85598 + 5.19981I
b = -0.91861 + 1.11978I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.16005 + 1.96875I		
a = -0.032187 - 0.195560I	3.42714 + 2.86954I	0
b = 0.0105251 - 0.0206240I		
u = -0.16005 - 1.96875I		
a = -0.032187 + 0.195560I	3.42714 - 2.86954I	0
b = 0.0105251 + 0.0206240I		

$$II. \\ I_2^u = \langle -1.16 \times 10^{33} u^{42} - 1.70 \times 10^{33} u^{41} + \dots + 2.11 \times 10^{32} b - 1.33 \times 10^{33}, \ -1.29 \times 10^{33} u^{42} + 1.62 \times 10^{32} u^{41} + \dots + 2.11 \times 10^{32} a - 6.37 \times 10^{33}, \ u^{43} + u^{42} + \dots + 2u + 1 \rangle$$

(i) Arc colorings

$$a_{4} = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$

$$a_{12} = \begin{pmatrix} 0 \\ u \end{pmatrix}$$

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

$$a_{8} = \begin{pmatrix} 6.08938u^{42} - 0.766824u^{41} + \cdots - 31.8497u + 30.1034 \\ 5.47783u^{42} + 8.05062u^{41} + \cdots - 16.3644u + 6.28948 \end{pmatrix}$$

$$a_{1} = \begin{pmatrix} -11.6126u^{42} - 11.7491u^{41} + \cdots + 55.7010u - 26.7564 \\ -2.53628u^{42} - 1.15504u^{41} + \cdots + 14.9692u - 10.3714 \end{pmatrix}$$

$$a_{7} = \begin{pmatrix} -2.64422u^{42} - 18.4919u^{41} + \cdots - 7.86228u + 30.6701 \\ -5.19016u^{42} - 16.9115u^{41} + \cdots + 10.3522u + 15.2810 \end{pmatrix}$$

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

$$a_{9} = \begin{pmatrix} -1.37536u^{42} - 19.1784u^{41} + \cdots - 13.6032u + 39.5324 \\ -1.98691u^{42} - 10.3609u^{41} + \cdots + 1.88209u + 15.7185 \end{pmatrix}$$

$$a_{3} = \begin{pmatrix} -5.79164u^{42} + 6.04583u^{41} + \cdots + 27.8521u - 48.5369 \\ -0.473205u^{42} + 5.61577u^{41} + \cdots + 9.24257u - 18.5165 \end{pmatrix}$$

$$a_{10} = \begin{pmatrix} 10.8379u^{42} + 7.04368u^{41} + \cdots - 51.2332u + 35.4218 \\ 6.31427u^{42} + 8.49903u^{41} + \cdots - 21.1023u + 11.1387 \end{pmatrix}$$

$$a_{6} = \begin{pmatrix} -0.275980u^{42} + 7.73119u^{41} + \cdots + 5.59083u - 28.0925 \\ 0.492532u^{42} + 4.72372u^{41} + \cdots + 2.85792u - 10.9713 \end{pmatrix}$$

$$a_{2} = \begin{pmatrix} -12.4950u^{42} - 4.85510u^{41} + \cdots + 52.5668u - 49.4783 \\ -2.07591u^{42} + 4.38430u^{41} + \cdots + 52.5668u - 49.4783 \end{pmatrix}$$

- (ii) Obstruction class = 1
- (iii) Cusp Shapes = $-10.8171u^{42} 22.5095u^{41} + \cdots + 7.87998u + 8.10939$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1	$u^{43} - 21u^{42} + \dots - 28u + 1$
c_2	$u^{43} - u^{42} + \dots - 2u - 1$
c_3	$u^{43} + 10u^{41} + \dots + 46u - 19$
c_4	$u^{43} + u^{42} + \dots + 2u + 1$
<i>C</i> ₅	$u^{43} + u^{42} + \dots + 5u - 1$
	$u^{43} + u^{42} + \dots - 2u + 1$
	$u^{43} + 5u^{42} + \dots + u - 1$
c ₈	$u^{43} - 19u^{42} + \dots + 20u - 1$
<i>c</i> ₉	$u^{43} + 17u^{42} + \dots - 2u + 1$
c_{10}	$u^{43} + 4u^{42} + \dots + 12u - 1$
c_{11}	$u^{43} - u^{42} + \dots + 2u - 1$
c_{12}	$u^{43} - 2u^{42} + \dots + 26u - 5$
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(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1	$y^{43} + 17y^{42} + \dots + 12y - 1$
c_2, c_6	$y^{43} + 21y^{42} + \dots - 28y - 1$
<i>C</i> ₃	$y^{43} + 20y^{42} + \dots - 11906y - 361$
c_4,c_{11}	$y^{43} - 25y^{42} + \dots + 20y - 1$
<i>C</i> ₅	$y^{43} - 7y^{42} + \dots - 55y - 1$
C ₇	$y^{43} + 29y^{42} + \dots + 29y - 1$
<i>c</i> ₈	$y^{43} - 11y^{42} + \dots + 46y - 1$
<i>c</i> ₉	$y^{43} - 17y^{42} + \dots - 12y - 1$
c_{10}	$y^{43} - 12y^{42} + \dots + 146y - 1$
c_{12}	$y^{43} - 14y^{42} + \dots + 866y - 25$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_2^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.565151 + 0.800616I		
a = -0.185627 + 0.542499I	-0.686696 + 0.673462I	-5.67919 + 1.84612I
b = 0.274493 + 0.668369I		
u = -0.565151 - 0.800616I		
a = -0.185627 - 0.542499I	-0.686696 - 0.673462I	-5.67919 - 1.84612I
b = 0.274493 - 0.668369I		
u = 0.914332 + 0.229073I		
a = 1.050760 - 0.761962I	-3.07780 - 10.54400I	-7.92431 + 8.70011I
b = 2.18027 - 0.99698I		
u = 0.914332 - 0.229073I		
a = 1.050760 + 0.761962I	-3.07780 + 10.54400I	-7.92431 - 8.70011I
b = 2.18027 + 0.99698I		
u = -0.917630 + 0.211655I		
a = -1.41256 - 0.56579I	-1.05238 + 4.95322I	-6.38591 - 4.44936I
b = -2.22258 - 0.87483I		
u = -0.917630 - 0.211655I		
a = -1.41256 + 0.56579I	-1.05238 - 4.95322I	-6.38591 + 4.44936I
b = -2.22258 + 0.87483I		
u = 0.887205 + 0.201480I		
a = 0.830229 - 0.066285I	-6.39188 - 2.42893I	-11.24732 + 5.26931I
b = 1.73340 - 1.40424I		
u = 0.887205 - 0.201480I		
a = 0.830229 + 0.066285I	-6.39188 + 2.42893I	-11.24732 - 5.26931I
b = 1.73340 + 1.40424I		
u = -0.196540 + 1.135610I		
a = -0.492451 - 0.676345I	0.71795 + 3.69642I	-9.20992 + 0.I
b = -0.137904 - 0.282759I		
u = -0.196540 - 1.135610I		
a = -0.492451 + 0.676345I	0.71795 - 3.69642I	-9.20992 + 0.I
b = -0.137904 + 0.282759I		

Solutions to I_2^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -1.126640 + 0.320280I		
a = -0.831118 + 0.686523I	-2.44112 + 3.38307I	-5.07283 - 4.00845I
b = -0.912029 + 0.260840I		
u = -1.126640 - 0.320280I		
a = -0.831118 - 0.686523I	-2.44112 - 3.38307I	-5.07283 + 4.00845I
b = -0.912029 - 0.260840I		
u = 1.197860 + 0.008892I		
a = -0.379046 - 0.493992I	-7.97372 + 1.44568I	-12.67725 + 0.I
b = -0.405921 + 0.960135I		
u = 1.197860 - 0.008892I		
a = -0.379046 + 0.493992I	-7.97372 - 1.44568I	-12.67725 + 0.I
b = -0.405921 - 0.960135I		
u = -1.196420 + 0.113382I		
a = 0.646564 + 0.031567I	-6.25020 + 1.44230I	-16.0171 - 3.2552I
b = 2.36000 - 0.87609I		
u = -1.196420 - 0.113382I		
a = 0.646564 - 0.031567I	-6.25020 - 1.44230I	-16.0171 + 3.2552I
b = 2.36000 + 0.87609I		
u = -0.011133 + 0.758671I		
a = 0.430596 - 0.830453I	-2.25228 + 1.16332I	-5.50591 - 1.22848I
b = 0.030419 + 0.422050I		
u = -0.011133 - 0.758671I		
a = 0.430596 + 0.830453I	-2.25228 - 1.16332I	-5.50591 + 1.22848I
b = 0.030419 - 0.422050I		
u = -1.268520 + 0.067807I		
a = 0.136821 + 0.967894I	-2.96494 + 3.70265I	0
b = 0.026150 + 0.431672I		
u = -1.268520 - 0.067807I		
a = 0.136821 - 0.967894I	-2.96494 - 3.70265I	0
b = 0.026150 - 0.431672I		

Solutions to I_2^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -1.27569		
a = 1.38622	-4.00337	-13.2720
b = 2.07324		
u = -0.047233 + 0.717801I		
a = 0.73180 - 1.30877I	-2.11862 - 4.88343I	-2.05264 + 6.77099I
b = -0.307807 + 0.084455I		
u = -0.047233 - 0.717801I		
a = 0.73180 + 1.30877I	-2.11862 + 4.88343I	-2.05264 - 6.77099I
b = -0.307807 - 0.084455I		
u = 1.297710 + 0.049111I		
a = -0.958357 + 0.058286I	-7.42479 - 3.50502I	0
b = -2.23720 - 0.24341I		
u = 1.297710 - 0.049111I		
a = -0.958357 - 0.058286I	-7.42479 + 3.50502I	0
b = -2.23720 + 0.24341I		
u = 1.330900 + 0.006653I		
a = -0.134334 - 0.718223I	-4.95626 + 8.95445I	0
b = 0.230826 - 0.150354I		
u = 1.330900 - 0.006653I		
a = -0.134334 + 0.718223I	-4.95626 - 8.95445I	0
b = 0.230826 + 0.150354I		
u = 0.044207 + 0.632858I		
a = -0.97806 - 1.46172I	-1.48097 + 1.36518I	0.320270 + 0.970120I
b = 0.429288 - 0.128050I		
u = 0.044207 - 0.632858I		
a = -0.97806 + 1.46172I	-1.48097 - 1.36518I	0.320270 - 0.970120I
b = 0.429288 + 0.128050I		
u = -1.31304 + 0.58058I		
a = 1.096960 - 0.552633I	-5.36677 + 2.82669I	0
b = 2.00716 - 0.36957I		

Solutions to I_2^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -1.31304 - 0.58058I		
a = 1.096960 + 0.552633I	-5.36677 - 2.82669I	0
b = 2.00716 + 0.36957I		
u = -1.41096 + 0.40220I		
a = 0.979847 - 0.277139I	-6.82418 + 9.25279I	0
b = 2.09731 - 0.73887I		
u = -1.41096 - 0.40220I		
a = 0.979847 + 0.277139I	-6.82418 - 9.25279I	0
b = 2.09731 + 0.73887I		
u = 1.40238 + 0.47077I		
a = -1.055200 - 0.221287I	-4.54693 - 9.04995I	0
b = -1.83349 - 0.51367I		
u = 1.40238 - 0.47077I		
a = -1.055200 + 0.221287I	-4.54693 + 9.04995I	0
b = -1.83349 + 0.51367I		
u = 1.42623 + 0.42710I		
a = -0.983914 - 0.267954I	-6.24794 - 5.75781I	0
b = -1.97665 - 0.77167I		
u = 1.42623 - 0.42710I		
a = -0.983914 + 0.267954I	-6.24794 + 5.75781I	0
b = -1.97665 + 0.77167I		
u = -0.310676 + 0.013099I		
a = -1.66167 + 3.52268I	1.67338 + 0.10116I	4.79649 - 0.11122I
b = -0.597416 + 1.075280I		
u = -0.310676 - 0.013099I		
a = -1.66167 - 3.52268I	1.67338 - 0.10116I	4.79649 + 0.11122I
b = -0.597416 - 1.075280I		
u = 0.183489 + 0.205725I		
a = -1.03544 - 4.14597I	0.70925 + 5.27416I	1.94196 - 5.03576I
b = 0.688486 - 0.794377I		

Solutions to I_2^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.183489 - 0.205725I		
a = -1.03544 + 4.14597I	0.70925 - 5.27416I	1.94196 + 5.03576I
b = 0.688486 + 0.794377I		
u = -0.18252 + 1.89544I		
a = 0.011085 + 0.142621I	3.51628 + 2.83574I	0
b = 0.036578 + 0.247131I		
u = -0.18252 - 1.89544I		
a = 0.011085 - 0.142621I	3.51628 - 2.83574I	0
b = 0.036578 - 0.247131I		

III. u-Polynomials

Crossings	u-Polynomials at each crossing
c_1	$ \left (u^{43} - 21u^{42} + \dots - 28u + 1)(u^{182} + 80u^{181} + \dots - 14u + 1) \right $
c_2	$(u^{43} - u^{42} + \dots - 2u - 1)(u^{182} + 40u^{180} + \dots + 4u + 1)$
c_3	$(u^{43} + 10u^{41} + \dots + 46u - 19)$ $\cdot (u^{182} + u^{181} + \dots + 173061562687u + 50838216514)$
c_4	$(u^{43} + u^{42} + \dots + 2u + 1)(u^{182} + 2u^{181} + \dots + 18u + 1)$
c_5	$ (u^{43} + u^{42} + \dots + 5u - 1)(u^{182} - 6u^{180} + \dots - 29u + 1) $
c_6	$ (u^{43} + u^{42} + \dots - 2u + 1)(u^{182} + 40u^{180} + \dots + 4u + 1) $
c ₇	$(u^{43} + 5u^{42} + \dots + u - 1)$ $\cdot (u^{182} + 16u^{181} + \dots + 107815334379u + 9487345129)$
c ₈	$(u^{43} - 19u^{42} + \dots + 20u - 1)$ $\cdot (u^{182} + 18u^{181} + \dots + 37740592u + 2302703)$
<i>c</i> 9	$ (u^{43} + 17u^{42} + \dots - 2u + 1)(u^{182} + 8u^{181} + \dots - 16483u + 704) $
c_{10}	$(u^{43} + 4u^{42} + \dots + 12u - 1)$ $\cdot (u^{182} + 17u^{181} + \dots + 1894916324u + 143269799)$
c_{11}	$(u^{43} - u^{42} + \dots + 2u - 1)(u^{182} + 2u^{181} + \dots + 18u + 1)$
c_{12}	$(u^{43} - 2u^{42} + \dots + 26u - 5)$ $\cdot (u^{182} - u^{181} + \dots - 233173107u + 23453042)$

IV. Riley Polynomials

Crossings	Riley Polynomials at each crossing
c_1	$(y^{43} + 17y^{42} + \dots + 12y - 1)(y^{182} + 60y^{181} + \dots - 458y + 1)$
c_2, c_6	$(y^{43} + 21y^{42} + \dots - 28y - 1)(y^{182} + 80y^{181} + \dots - 14y + 1)$
<i>c</i> 3	$(y^{43} + 20y^{42} + \dots - 11906y - 361)$ $\cdot (y^{182} + 83y^{181} + \dots + 1.73 \times 10^{23}y + 2.58 \times 10^{21})$
c_4, c_{11}	$(y^{43} - 25y^{42} + \dots + 20y - 1)(y^{182} - 126y^{181} + \dots - 110y + 1)$
c_5	$(y^{43} - 7y^{42} + \dots - 55y - 1)(y^{182} - 12y^{181} + \dots + 393y + 1)$
<i>c</i> ₇	$(y^{43} + 29y^{42} + \dots + 29y - 1)$ $\cdot (y^{182} + 100y^{181} + \dots + 4.51 \times 10^{21}y + 9.00 \times 10^{19})$
c ₈	$(y^{43} - 11y^{42} + \dots + 46y - 1)$ $\cdot (y^{182} - 52y^{181} + \dots - 245956311483672y + 5302441106209)$
<i>c</i> 9	$(y^{43} - 17y^{42} + \dots - 12y - 1)$ $\cdot (y^{182} - 26y^{181} + \dots - 28999369y + 495616)$
c_{10}	$(y^{43} - 12y^{42} + \dots + 146y - 1)$ $\cdot (y^{182} + 35y^{181} + \dots + 2524246924058369408y + 20526235305500401)$
c_{12}	$(y^{43} - 14y^{42} + \dots + 866y - 25)$ $\cdot (y^{182} - 59y^{181} + \dots - 11000196487083765y + 550045179053764)$