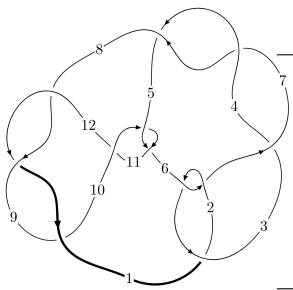
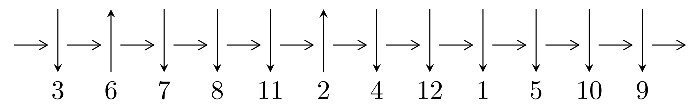
$12a_{0205}$ ($K12a_{0205}$)



A knot diagram[1]

Linearized knot diagam



Solving Sequence

$$8,12 \xrightarrow[c_8]{} 9 \xrightarrow[c_{12}]{} 1 \xrightarrow[c_9]{} 5,10 \xrightarrow[c_4]{} 4 \xrightarrow[c_7]{} 7 \xrightarrow[c_3]{} 3 \xrightarrow[c_{11}]{} 11 \xrightarrow[c_5]{} 6 \xrightarrow[c_2]{} 2 \twoheadrightarrow c_1, c_6, c_{10}$$

Ideals for irreducible components[2] of $X_{\mathbf{par}}$

$I_1^u = \langle 251u^{73} + 1168u^{72} + \cdots + 4b - 189,\ -50u^{73} - 201u^{72} + \cdots + 4a + 23,\ u^{74} + 6u^{73} + \cdots - 4u - 1\rangle$
$I_2^u = \langle b^5 - b^4 - 2b^3 + b^2 + b + 1,\ a,\ u - 1\rangle$

* 2 irreducible components of $\dim_{\mathbb{C}} = 0$, with total 79 representations.

[1] The 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. $\boldsymbol{I_1^u = \langle 251u^{73} + 1168u^{72} + \cdots + 4b - 189,\ -50u^{73} - 201u^{72} + \cdots + 4a + 23,\ u^{74} + 6u^{73} + \cdots - 4u - 1\rangle}$

(i) Arc colorings

$$a_8 = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$

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

$$a_9 = \begin{pmatrix} 1 \\ u^2 \end{pmatrix}$$

$$a_1 = \begin{pmatrix} -u \\ -u^3 + u \end{pmatrix}$$

$$a_5 = \begin{pmatrix} \frac{25}{2}u^{73} + \frac{201}{4}u^{72} + \cdots - \frac{25}{2}u - \frac{23}{4} \\ -\frac{251}{4}u^{73} - 292u^{72} + \cdots + \frac{307}{2}u + \frac{189}{4} \end{pmatrix}$$

$$a_{10} = \begin{pmatrix} -u^2 + 1 \\ -u^4 + 2u^2 \end{pmatrix}$$

$$a_4 = \begin{pmatrix} -\frac{201}{4}u^{73} - \frac{967}{4}u^{72} + \cdots + 141u + \frac{83}{2} \\ -\frac{251}{4}u^{73} - 292u^{72} + \cdots + \frac{307}{2}u + \frac{189}{4} \end{pmatrix}$$

$$a_7 = \begin{pmatrix} 0.0625000u^{73} + 0.312500u^{72} + \cdots - 4.18750u + 1.93750 \\ 0.0625000u^{73} + 0.312500u^{72} + \cdots - 1.18750u - 0.0625000 \end{pmatrix}$$

$$a_3 = \begin{pmatrix} -30.5625u^{73} - 147.813u^{72} + \cdots + 90.4375u + 26.3125 \\ 30.9375u^{73} + 143.938u^{72} + \cdots - 72.8125u - 22.1875 \end{pmatrix}$$

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

$$a_6 = \begin{pmatrix} \frac{25}{2}u^{73} + \frac{269}{4}u^{72} + \cdots - \frac{71}{2}u - \frac{59}{4} \\ -\frac{249}{4}u^{73} - \frac{1131}{4}u^{72} + \cdots + 141u + \frac{85}{2} \end{pmatrix}$$

$$a_2 = \begin{pmatrix} -15.1875u^{73} - 73.6875u^{72} + \cdots + 49.3125u + 12.1875 \\ -19.2500u^{73} - 93.6250u^{72} + \cdots + 54.7500u + 16.8750 \end{pmatrix}$$

(ii) Obstruction class $= -1$

(iii) Cusp Shapes $= -\frac{177}{4}u^{73} - \frac{1667}{8}u^{72} + \cdots + \frac{477}{4}u + \frac{241}{8}$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1	$u^{74} + 42u^{73} + \cdots - 2u + 1$
c_2, c_6	$u^{74} - 2u^{73} + \cdots - 2u - 1$
c_3, c_4, c_7	$u^{74} + 2u^{73} + \cdots + 84u - 17$
c_5, c_{10}	$u^{74} + u^{73} + \cdots + 96u + 32$
c_8, c_9, c_{12}	$u^{74} - 6u^{73} + \cdots + 4u - 1$
c_{11}	$u^{74} + 33u^{73} + \cdots + 7680u + 1024$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1	$y^{74} - 18y^{73} + \cdots - 70y + 1$
c_2, c_6	$y^{74} + 42y^{73} + \cdots - 2y + 1$
c_3, c_4, c_7	$y^{74} - 78y^{73} + \cdots - 14298y + 289$
c_5, c_{10}	$y^{74} - 33y^{73} + \cdots - 7680y + 1024$
c_8, c_9, c_{12}	$y^{74} - 66y^{73} + \cdots - 4y + 1$
c_{11}	$y^{74} + 7y^{73} + \cdots - 12189696y + 1048576$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = 0.881128 + 0.574262I$ $a = -0.392145 - 0.461104I$ $b = 1.51995 + 0.06899I$	$-10.03960 - 3.52098I$	0
$u = 0.881128 - 0.574262I$ $a = -0.392145 + 0.461104I$ $b = 1.51995 - 0.06899I$	$-10.03960 + 3.52098I$	0
$u = 0.988283 + 0.362341I$ $a = 0.732096 - 0.013015I$ $b = -0.662384 + 0.595002I$	$-2.23570 + 2.76072I$	0
$u = 0.988283 - 0.362341I$ $a = 0.732096 + 0.013015I$ $b = -0.662384 - 0.595002I$	$-2.23570 - 2.76072I$	0
$u = 0.900199 + 0.549025I$ $a = 0.478227 + 0.417353I$ $b = -1.45382 + 0.10364I$	$-6.21271 + 1.04580I$	0
$u = 0.900199 - 0.549025I$ $a = 0.478227 - 0.417353I$ $b = -1.45382 - 0.10364I$	$-6.21271 - 1.04580I$	0
$u = 0.925360 + 0.561900I$ $a = -0.535816 - 0.483396I$ $b = 1.59118 - 0.20476I$	$-9.79897 + 5.80428I$	0
$u = 0.925360 - 0.561900I$ $a = -0.535816 + 0.483396I$ $b = 1.59118 + 0.20476I$	$-9.79897 - 5.80428I$	0
$u = 0.287137 + 0.859379I$ $a = -1.13110 - 1.36816I$ $b = 1.62687 + 0.25833I$	$-7.84795 - 10.78640I$	0
$u = 0.287137 - 0.859379I$ $a = -1.13110 + 1.36816I$ $b = 1.62687 - 0.25833I$	$-7.84795 + 10.78640I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = 0.314792 + 0.842150I$ $a = -1.08527 - 1.22153I$ $b = 1.48731 + 0.00206I$	$-8.30896 - 1.43299I$	0
$u = 0.314792 - 0.842150I$ $a = -1.08527 + 1.22153I$ $b = 1.48731 - 0.00206I$	$-8.30896 + 1.43299I$	0
$u = 0.292088 + 0.841513I$ $a = 1.05644 + 1.32316I$ $b = -1.47219 - 0.19833I$	$-4.34649 - 5.92708I$	0
$u = 0.292088 - 0.841513I$ $a = 1.05644 - 1.32316I$ $b = -1.47219 + 0.19833I$	$-4.34649 + 5.92708I$	0
$u = 1.085780 + 0.243540I$ $a = -0.729453 + 0.365525I$ $b = 0.124325 - 0.592140I$	$-0.968890 - 0.789801I$	0
$u = 1.085780 - 0.243540I$ $a = -0.729453 - 0.365525I$ $b = 0.124325 + 0.592140I$	$-0.968890 + 0.789801I$	0
$u = 0.201797 + 0.773580I$ $a = 0.65000 + 1.60035I$ $b = -0.793170 - 0.734810I$	$0.15931 - 6.92492I$	$-8.00000 + 9.41570I$
$u = 0.201797 - 0.773580I$ $a = 0.65000 - 1.60035I$ $b = -0.793170 + 0.734810I$	$0.15931 + 6.92492I$	$-8.00000 - 9.41570I$
$u = 1.203160 + 0.212321I$ $a = -0.835102 + 0.755842I$ $b = -0.352089 - 0.569580I$	$-1.26241 - 1.26238I$	0
$u = 1.203160 - 0.212321I$ $a = -0.835102 - 0.755842I$ $b = -0.352089 + 0.569580I$	$-1.26241 + 1.26238I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = 0.636386 + 0.433353I$ $a = 0.248415 - 0.156107I$ $b = -0.539496 - 0.235219I$	$-3.20093 - 2.38936I$	$-17.3308 + 5.2603I$
$u = 0.636386 - 0.433353I$ $a = 0.248415 + 0.156107I$ $b = -0.539496 + 0.235219I$	$-3.20093 + 2.38936I$	$-17.3308 - 5.2603I$
$u = 0.174212 + 0.714774I$ $a = -0.39734 - 1.61036I$ $b = 0.393692 + 0.706879I$	$1.68253 - 2.79181I$	$-4.40821 + 4.21273I$
$u = 0.174212 - 0.714774I$ $a = -0.39734 + 1.61036I$ $b = 0.393692 - 0.706879I$	$1.68253 + 2.79181I$	$-4.40821 - 4.21273I$
$u = 0.319686 + 0.646062I$ $a = 0.316719 + 1.035180I$ $b = -0.300560 + 0.024775I$	$-2.20621 - 1.45129I$	$-14.5147 + 3.3145I$
$u = 0.319686 - 0.646062I$ $a = 0.316719 - 1.035180I$ $b = -0.300560 - 0.024775I$	$-2.20621 + 1.45129I$	$-14.5147 - 3.3145I$
$u = 1.285420 + 0.094016I$ $a = 0.456290 - 1.265580I$ $b = 0.430143 - 0.102358I$	$-4.61992 + 0.36511I$	0
$u = 1.285420 - 0.094016I$ $a = 0.456290 + 1.265580I$ $b = 0.430143 + 0.102358I$	$-4.61992 - 0.36511I$	0
$u = -1.287860 + 0.072895I$ $a = 0.147765 + 0.194840I$ $b = -1.36565 - 0.38952I$	$-8.72493 - 4.01377I$	0
$u = -1.287860 - 0.072895I$ $a = 0.147765 - 0.194840I$ $b = -1.36565 + 0.38952I$	$-8.72493 + 4.01377I$	0

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = 1.273630 + 0.234512I$ $a = 1.06836 - 0.97934I$ $b = 0.772121 + 0.649670I$	$-2.86722 - 5.13648I$	0
$u = 1.273630 - 0.234512I$ $a = 1.06836 + 0.97934I$ $b = 0.772121 - 0.649670I$	$-2.86722 + 5.13648I$	0
$u = -1.310770 + 0.210855I$ $a = -0.365749 - 0.628451I$ $b = 0.464829 + 0.924450I$	$-3.02836 + 0.78893I$	0
$u = -1.310770 - 0.210855I$ $a = -0.365749 + 0.628451I$ $b = 0.464829 - 0.924450I$	$-3.02836 - 0.78893I$	0
$u = -1.327870 + 0.109441I$ $a = -0.078373 - 0.356478I$ $b = 1.041460 + 0.386661I$	$-5.77899 + 0.48003I$	0
$u = -1.327870 - 0.109441I$ $a = -0.078373 + 0.356478I$ $b = 1.041460 - 0.386661I$	$-5.77899 - 0.48003I$	0
$u = 0.090587 + 0.645600I$ $a = -0.05614 - 1.76780I$ $b = -0.143845 + 0.767387I$	$2.07073 - 1.86749I$	$-2.85319 + 4.16997I$
$u = 0.090587 - 0.645600I$ $a = -0.05614 + 1.76780I$ $b = -0.143845 - 0.767387I$	$2.07073 + 1.86749I$	$-2.85319 - 4.16997I$
$u = -1.331220 + 0.247307I$ $a = 0.423310 + 0.804300I$ $b = -0.061462 - 0.941261I$	$-2.41235 + 5.09301I$	0
$u = -1.331220 - 0.247307I$ $a = 0.423310 - 0.804300I$ $b = -0.061462 + 0.941261I$	$-2.41235 - 5.09301I$	0

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = 1.372500 + 0.208067I$ $a = 1.18530 - 1.51605I$ $b = 1.47714 + 0.15260I$	$-7.28647 - 3.73730I$	0
$u = 1.372500 - 0.208067I$ $a = 1.18530 + 1.51605I$ $b = 1.47714 - 0.15260I$	$-7.28647 + 3.73730I$	0
$u = 1.384380 + 0.195037I$ $a = -1.14266 + 1.61351I$ $b = -1.51278 + 0.02690I$	$-11.19560 + 0.80901I$	0
$u = 1.384380 - 0.195037I$ $a = -1.14266 - 1.61351I$ $b = -1.51278 - 0.02690I$	$-11.19560 - 0.80901I$	0
$u = -1.368220 + 0.287711I$ $a = 0.456831 + 1.079290I$ $b = 0.530276 - 0.801232I$	$-3.20875 + 6.42514I$	0
$u = -1.368220 - 0.287711I$ $a = 0.456831 - 1.079290I$ $b = 0.530276 + 0.801232I$	$-3.20875 - 6.42514I$	0
$u = 0.001762 + 0.601615I$ $a = -0.18960 + 1.93159I$ $b = 0.582995 - 0.743414I$	$1.09588 + 2.08440I$	$-5.27577 - 3.44831I$
$u = 0.001762 - 0.601615I$ $a = -0.18960 - 1.93159I$ $b = 0.582995 + 0.743414I$	$1.09588 - 2.08440I$	$-5.27577 + 3.44831I$
$u = 1.381070 + 0.220674I$ $a = -1.27621 + 1.52980I$ $b = -1.61885 - 0.22827I$	$-10.84100 - 8.56310I$	0
$u = 1.381070 - 0.220674I$ $a = -1.27621 - 1.52980I$ $b = -1.61885 + 0.22827I$	$-10.84100 + 8.56310I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u=-1.406650+0.108118I$ $a=-0.224298+0.479931I$ $b=-0.889838+0.012840I$	$-9.56584+3.88184I$	0
$u=-1.406650-0.108118I$ $a=-0.224298-0.479931I$ $b=-0.889838-0.012840I$	$-9.56584-3.88184I$	0
$u=-1.38177+0.31309I$ $a=-0.519776-1.227890I$ $b=-0.894583+0.801624I$	$-4.86125+10.84660I$	0
$u=-1.38177-0.31309I$ $a=-0.519776+1.227890I$ $b=-0.894583-0.801624I$	$-4.86125-10.84660I$	0
$u=-0.217146+0.536055I$ $a=\ \ 0.60175-2.16828I$ $b=-1.52812+0.24824I$	$-5.74382+5.73352I$	$-9.31960-3.96496I$
$u=-0.217146-0.536055I$ $a=\ \ 0.60175+2.16828I$ $b=-1.52812-0.24824I$	$-5.74382-5.73352I$	$-9.31960+3.96496I$
$u=-1.40915+0.25179I$ $a=-0.157565-1.105170I$ $b=-0.323961+0.190846I$	$-7.68685+4.72210I$	0
$u=-1.40915-0.25179I$ $a=-0.157565+1.105170I$ $b=-0.323961-0.190846I$	$-7.68685-4.72210I$	0
$u=-0.195506+0.494386I$ $a=-0.60346+2.10373I$ $b=\ \ 1.332360-0.127865I$	$-2.28691+1.08117I$	$-6.04411-0.68667I$
$u=-0.195506-0.494386I$ $a=-0.60346-2.10373I$ $b=\ \ 1.332360+0.127865I$	$-2.28691-1.08117I$	$-6.04411+0.68667I$

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u=-1.43492+0.33574I$ $a=-0.42182-1.57242I$ $b=-1.52280+0.24815I$	$-9.8574+10.1740I$	0
$u=-1.43492-0.33574I$ $a=-0.42182+1.57242I$ $b=-1.52280-0.24815I$	$-9.8574-10.1740I$	0
$u=-0.244545+0.465151I$ $a=\ \ 0.66363-2.09922I$ $b=-1.43543-0.11457I$	$-6.00989-3.31774I$	$-9.52284+2.54149I$
$u=-0.244545-0.465151I$ $a=\ \ 0.66363+2.09922I$ $b=-1.43543+0.11457I$	$-6.00989+3.31774I$	$-9.52284-2.54149I$
$u=-1.43676+0.34496I$ $a=\ \ 0.46165+1.62078I$ $b=\ \ 1.67048-0.27980I$	$-13.3475+15.1287I$	0
$u=-1.43676-0.34496I$ $a=\ \ 0.46165-1.62078I$ $b=\ \ 1.67048+0.27980I$	$-13.3475-15.1287I$	0
$u=-1.44511+0.33011I$ $a=\ \ 0.34935+1.59979I$ $b=\ \ 1.49951-0.06456I$	$-13.9374+5.6612I$	0
$u=-1.44511-0.33011I$ $a=\ \ 0.34935-1.59979I$ $b=\ \ 1.49951+0.06456I$	$-13.9374-5.6612I$	0
$u=-1.52087$ $a=-0.926353$ $b=-1.58708$	-14.6359	0
$u=-1.52946+0.01186I$ $a=\ \ 0.979765-0.076295I$ $b=\ \ 1.64505-0.09028I$	$-18.4592+4.8158I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u=-1.52946-0.01186I$ $a=\ 0.979765+0.076295I$ $b=\ 1.64505+0.09028I$	$-18.4592-4.8158I$	0
$u=\ 0.438993$ $a=-0.875494$ $b=\ 0.359702$	-0.831134	-11.9340
$u=-0.131466+0.110386I$ $a=-0.73310+2.64270I$ $b=\ 0.295035+0.455623I$	$-0.50060-1.35724I$	$-5.01014+4.53923I$
$u=-0.131466-0.110386I$ $a=-0.73310-2.64270I$ $b=\ 0.295035-0.455623I$	$-0.50060+1.35724I$	$-5.01014-4.53923I$

II. $I^u_2 = \langle b^5 - b^4 - 2b^3 + b^2 + b + 1,\ a,\ u - 1\rangle$

(i) Arc colorings

$$a_8 = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$

$$a_{12} = \begin{pmatrix} 0 \\ 1 \end{pmatrix}$$

$$a_9 = \begin{pmatrix} 1 \\ 1 \end{pmatrix}$$

$$a_1 = \begin{pmatrix} -1 \\ 0 \end{pmatrix}$$

$$a_5 = \begin{pmatrix} 0 \\ b \end{pmatrix}$$

$$a_{10} = \begin{pmatrix} 0 \\ 1 \end{pmatrix}$$

$$a_4 = \begin{pmatrix} b \\ b \end{pmatrix}$$

$$a_7 = \begin{pmatrix} -b^2 + 1 \\ -b^2 \end{pmatrix}$$

$$a_3 = \begin{pmatrix} -b^3 + 2b \\ -b^3 + b \end{pmatrix}$$

$$a_{11} = \begin{pmatrix} 0 \\ 1 \end{pmatrix}$$

$$a_6 = \begin{pmatrix} 0 \\ b \end{pmatrix}$$

$$a_2 = \begin{pmatrix} -b^3 + 2b \\ -b^4 - b^3 + b^2 + 2b + 1 \end{pmatrix}$$

(ii) Obstruction class $= 1$

(iii) Cusp Shapes $= b^4 + 2b^3 - 5b - 14$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1	$u^5 - 3u^4 + 4u^3 - u^2 - u + 1$
c_2	$u^5 - u^4 + 2u^3 - u^2 + u - 1$
c_3, c_4	$u^5 + u^4 - 2u^3 - u^2 + u - 1$
c_5, c_{10}, c_{11}	u^5
c_6	$u^5 + u^4 + 2u^3 + u^2 + u + 1$
c_7	$u^5 - u^4 - 2u^3 + u^2 + u + 1$
c_8, c_9	$(u-1)^5$
c_{12}	$(u+1)^5$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1	$y^5 - y^4 + 8y^3 - 3y^2 + 3y - 1$
c_2, c_6	$y^5 + 3y^4 + 4y^3 + y^2 - y - 1$
c_3, c_4, c_7	$y^5 - 5y^4 + 8y^3 - 3y^2 - y - 1$
c_5, c_{10}, c_{11}	y^5
c_8, c_9, c_{12}	$(y-1)^5$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_2^u	$\sqrt{-1}(\mathrm{vol} + \sqrt{-1}CS)$	Cusp shape
$u = 1.00000$ $a = 0$ $b = -1.21774$	-4.04602	-9.32390
$u = 1.00000$ $a = 0$ $b = -0.309916 + 0.549911I$	$-1.97403 + 1.53058I$	$-12.02124 - 2.62456I$
$u = 1.00000$ $a = 0$ $b = -0.309916 - 0.549911I$	$-1.97403 - 1.53058I$	$-12.02124 + 2.62456I$
$u = 1.00000$ $a = 0$ $b = 1.41878 + 0.21917I$	$-7.51750 - 4.40083I$	$-12.31681 + 3.97407I$
$u = 1.00000$ $a = 0$ $b = 1.41878 - 0.21917I$	$-7.51750 + 4.40083I$	$-12.31681 - 3.97407I$

III. u-Polynomials

Crossings	u-Polynomials at each crossing
c_1	$(u^5-3u^4+4u^3-u^2-u+1)(u^{74}+42u^{73}+\cdots-2u+1)$
c_2	$(u^5-u^4+2u^3-u^2+u-1)(u^{74}-2u^{73}+\cdots-2u-1)$
c_3, c_4	$(u^5+u^4-2u^3-u^2+u-1)(u^{74}+2u^{73}+\cdots+84u-17)$
c_5, c_{10}	$u^5(u^{74}+u^{73}+\cdots+96u+32)$
c_6	$(u^5+u^4+2u^3+u^2+u+1)(u^{74}-2u^{73}+\cdots-2u-1)$
c_7	$(u^5-u^4-2u^3+u^2+u+1)(u^{74}+2u^{73}+\cdots+84u-17)$
c_8, c_9	$((u-1)^5)(u^{74}-6u^{73}+\cdots+4u-1)$
c_{11}	$u^5(u^{74}+33u^{73}+\cdots+7680u+1024)$
c_{12}	$((u+1)^5)(u^{74}-6u^{73}+\cdots+4u-1)$

IV. Riley Polynomials

Crossings	Riley Polynomials at each crossing
c_1	$(y^5 - y^4 + 8y^3 - 3y^2 + 3y - 1)(y^{74} - 18y^{73} + \cdots - 70y + 1)$
c_2, c_6	$(y^5 + 3y^4 + 4y^3 + y^2 - y - 1)(y^{74} + 42y^{73} + \cdots - 2y + 1)$
c_3, c_4, c_7	$(y^5 - 5y^4 + 8y^3 - 3y^2 - y - 1)(y^{74} - 78y^{73} + \cdots - 14298y + 289)$
c_5, c_{10}	$y^5(y^{74} - 33y^{73} + \cdots - 7680y + 1024)$
c_8, c_9, c_{12}	$((y-1)^5)(y^{74} - 66y^{73} + \cdots - 4y + 1)$
c_{11}	$y^5(y^{74} + 7y^{73} + \cdots - 1.21897 \times 10^7 y + 1048576)$