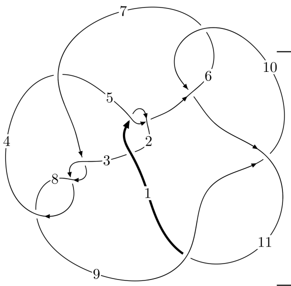
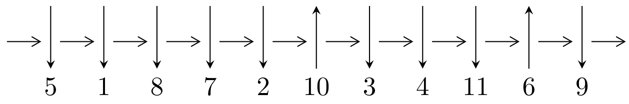
$11a_{105}$ ($K11a_{105}$)



A knot diagram[1]

Linearized knot diagam



Solving Sequence

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

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

$$I_1^u = \langle 1.12515 \times 10^{31} u^{59} + 2.85842 \times 10^{31} u^{58} + \cdots + 3.51410 \times 10^{31} b + 1.89741 \times 10^{31},$$
$$- 3.51793 \times 10^{30} u^{59} - 1.13761 \times 10^{31} u^{58} + \cdots + 3.51410 \times 10^{31} a - 1.05909 \times 10^{32},\ u^{60} + u^{59} + \cdots - 4u -$$
$$I_2^u = \langle 2b + 2a + u,\ 2a^2 + 2au + 2a + u + 3,\ u^2 - 2\rangle$$

$$I_1^v = \langle a,\ b - v - 1,\ v^2 + v + 1\rangle$$

* 3 irreducible components of $\dim_{\mathbb{C}} = 0$, with total 66 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.

$\boldsymbol{I_1^u = \langle 1.13\times10^{31}u^{59}+2.86\times10^{31}u^{58}+\cdots+3.51\times10^{31}b+1.90\times10^{31},\ -3.52\times10^{30}u^{59}-1.14\times10^{31}u^{58}+\cdots+3.51\times10^{31}a-1.06\times10^{32},\ u^{60}+u^{59}+\cdots-4u-4\rangle}$

(i) Arc colorings

$$a_4 = \begin{pmatrix} 0 \\ u \end{pmatrix}$$

$$a_9 = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$

$$a_8 = \begin{pmatrix} 1 \\ -u^2 \end{pmatrix}$$

$$a_1 = \begin{pmatrix} 0.100109u^{59} + 0.323727u^{58} + \cdots + 6.24684u + 3.01381 \\ -0.320182u^{59} - 0.813414u^{58} + \cdots + 3.67561u - 0.539941 \end{pmatrix}$$

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

$$a_2 = \begin{pmatrix} 0.334020u^{59} + 0.230566u^{58} + \cdots + 9.56791u + 3.49275 \\ -0.161128u^{59} - 0.574931u^{58} + \cdots + 3.42064u - 0.184944 \end{pmatrix}$$

$$a_7 = \begin{pmatrix} -u^2 + 1 \\ u^4 - 2u^2 \end{pmatrix}$$

$$a_5 = \begin{pmatrix} -u^5 + 2u^3 - u \\ u^7 - 3u^5 + 2u^3 + u \end{pmatrix}$$

$$a_{11} = \begin{pmatrix} -0.220073u^{59} - 0.489687u^{58} + \cdots + 9.92245u + 2.47387 \\ -0.320182u^{59} - 0.813414u^{58} + \cdots + 3.67561u - 0.539941 \end{pmatrix}$$

$$a_{10} = \begin{pmatrix} 1.05972u^{59} - 0.120964u^{58} + \cdots - 11.8926u - 2.73515 \\ 0.550795u^{59} + 1.41033u^{58} + \cdots - 3.83041u + 0.910068 \end{pmatrix}$$

$$a_6 = \begin{pmatrix} -0.301975u^{59} - 0.154593u^{58} + \cdots - 8.20559u - 4.09227 \\ 0.609330u^{59} + 0.192047u^{58} + \cdots + 2.33523u - 2.20792 \end{pmatrix}$$

$$a_6 = \begin{pmatrix} -0.301975u^{59} - 0.154593u^{58} + \cdots - 8.20559u - 4.09227 \\ 0.609330u^{59} + 0.192047u^{58} + \cdots + 2.33523u - 2.20792 \end{pmatrix}$$

(ii) Obstruction class $= -1$

(iii) Cusp Shapes $= 1.29031u^{59} + 4.98190u^{58} + \cdots + 10.5616u + 3.04276$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1, c_5	$u^{60} + 3u^{59} + \cdots - 21u - 7$
c_2	$u^{60} + 29u^{59} + \cdots + 259u + 49$
c_3, c_7, c_8	$u^{60} + u^{59} + \cdots - 4u - 4$
c_4	$u^{60} - 3u^{59} + \cdots + 1892u + 748$
c_6, c_{10}	$u^{60} - 2u^{59} + \cdots + 10u + 1$
c_9, c_{11}	$u^{60} + 20u^{59} + \cdots - 58u + 1$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1, c_5	$y^{60} - 29y^{59} + \cdots - 259y + 49$
c_2	$y^{60} + 11y^{59} + \cdots - 38171y + 2401$
c_3, c_7, c_8	$y^{60} - 55y^{59} + \cdots + 144y + 16$
c_4	$y^{60} + 5y^{59} + \cdots - 713328y + 559504$
c_6, c_{10}	$y^{60} + 20y^{59} + \cdots - 58y + 1$
c_9, c_{11}	$y^{60} + 44y^{59} + \cdots - 3138y + 1$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = -0.856412 + 0.448917I$ $a = \ \ 0.069748 - 0.309881I$ $b = \ \ 0.045178 + 1.220370I$	$2.51877 - 0.25684I$	$-5.58857 - 0.91280I$
$u = -0.856412 - 0.448917I$ $a = \ \ 0.069748 + 0.309881I$ $b = \ \ 0.045178 - 1.220370I$	$2.51877 + 0.25684I$	$-5.58857 + 0.91280I$
$u = -0.977737 + 0.387234I$ $a = -0.646202 + 0.329883I$ $b = -0.199913 - 1.371860I$	$2.99290 - 0.67802I$	$-7.00000 + 0.I$
$u = -0.977737 - 0.387234I$ $a = -0.646202 - 0.329883I$ $b = -0.199913 + 1.371860I$	$2.99290 + 0.67802I$	$-7.00000 + 0.I$
$u = \ \ 0.791019 + 0.508592I$ $a = -0.325990 - 0.504077I$ $b = -0.39274 + 1.43077I$	$1.89650 + 6.03755I$	$-6.88192 - 4.20349I$
$u = \ \ 0.791019 - 0.508592I$ $a = -0.325990 + 0.504077I$ $b = -0.39274 - 1.43077I$	$1.89650 - 6.03755I$	$-6.88192 + 4.20349I$
$u = \ \ 1.068800 + 0.379471I$ $a = \ \ 0.494885 + 0.197200I$ $b = -0.116006 - 1.361990I$	$3.09128 - 5.18590I$	0
$u = \ \ 1.068800 - 0.379471I$ $a = \ \ 0.494885 - 0.197200I$ $b = -0.116006 + 1.361990I$	$3.09128 + 5.18590I$	0
$u = \ \ 0.301071 + 0.803639I$ $a = \ \ 1.174960 - 0.782603I$ $b = -0.48181 - 1.50728I$	$3.49971 - 10.62980I$	$-5.43356 + 8.51745I$
$u = \ \ 0.301071 - 0.803639I$ $a = \ \ 1.174960 + 0.782603I$ $b = -0.48181 + 1.50728I$	$3.49971 + 10.62980I$	$-5.43356 - 8.51745I$

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u=-0.256488+0.801752I$ $a=-1.204450-0.589990I$ $b=\ \ 0.206818-1.186610I$	$4.44819+4.71708I$	$-3.57538-3.65619I$
$u=-0.256488-0.801752I$ $a=-1.204450+0.589990I$ $b=\ \ 0.206818+1.186610I$	$4.44819-4.71708I$	$-3.57538+3.65619I$
$u=-0.189775+0.793215I$ $a=\ \ 0.692391+1.041360I$ $b=-0.34795+1.45648I$	$5.43709+4.96254I$	$-2.32735-3.96471I$
$u=-0.189775-0.793215I$ $a=\ \ 0.692391-1.041360I$ $b=-0.34795-1.45648I$	$5.43709-4.96254I$	$-2.32735+3.96471I$
$u=\ \ 0.129554+0.796054I$ $a=-0.844160+0.874550I$ $b=\ \ 0.043508+1.278600I$	$5.97615+0.93056I$	$-1.28101-1.70769I$
$u=\ \ 0.129554-0.796054I$ $a=-0.844160-0.874550I$ $b=\ \ 0.043508-1.278600I$	$5.97615-0.93056I$	$-1.28101+1.70769I$
$u=-1.206730+0.176348I$ $a=-1.133230-0.267587I$ $b=\ \ 0.418519+0.150611I$	$-1.73220+0.82680I$	0
$u=-1.206730-0.176348I$ $a=-1.133230+0.267587I$ $b=\ \ 0.418519-0.150611I$	$-1.73220-0.82680I$	0
$u=\ \ 1.243970+0.018853I$ $a=\ \ 1.26750-0.88605I$ $b=-0.868501+0.830940I$	$-4.34425+2.84333I$	0
$u=\ \ 1.243970-0.018853I$ $a=\ \ 1.26750+0.88605I$ $b=-0.868501-0.830940I$	$-4.34425-2.84333I$	0

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = 0.268078 + 0.645087I$ $a = 0.627642 - 0.518062I$ $b = -1.102390 - 0.396751I$	$-2.44529 - 4.90792I$	$-9.88732 + 7.39777I$
$u = 0.268078 - 0.645087I$ $a = 0.627642 + 0.518062I$ $b = -1.102390 + 0.396751I$	$-2.44529 + 4.90792I$	$-9.88732 - 7.39777I$
$u = 1.289880 + 0.180120I$ $a = -1.66882 + 0.29795I$ $b = -0.038165 + 1.051040I$	$-4.50001 - 0.00587I$	0
$u = 1.289880 - 0.180120I$ $a = -1.66882 - 0.29795I$ $b = -0.038165 - 1.051040I$	$-4.50001 + 0.00587I$	0
$u = -0.112152 + 0.661191I$ $a = -0.714620 - 0.045202I$ $b = 0.426053 + 0.174796I$	$1.43580 + 2.21650I$	$-1.82720 - 4.33305I$
$u = -0.112152 - 0.661191I$ $a = -0.714620 + 0.045202I$ $b = 0.426053 - 0.174796I$	$1.43580 - 2.21650I$	$-1.82720 + 4.33305I$
$u = -1.334650 + 0.196412I$ $a = 1.04014 + 1.40007I$ $b = -0.877556 - 1.103860I$	$-5.48660 + 1.01058I$	0
$u = -1.334650 - 0.196412I$ $a = 1.04014 - 1.40007I$ $b = -0.877556 + 1.103860I$	$-5.48660 - 1.01058I$	0
$u = -1.333660 + 0.221254I$ $a = 1.82839 + 0.49243I$ $b = -0.448347 + 1.321910I$	$-5.17207 + 5.38877I$	0
$u = -1.333660 - 0.221254I$ $a = 1.82839 - 0.49243I$ $b = -0.448347 - 1.321910I$	$-5.17207 - 5.38877I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol} + \sqrt{-1}CS)$	Cusp shape
$u = 1.331350 + 0.263582I$ $a = -1.077490 + 0.564419I$ $b = 0.496619 - 0.385771I$	$-3.10541 - 5.57944I$	0
$u = 1.331350 - 0.263582I$ $a = -1.077490 - 0.564419I$ $b = 0.496619 + 0.385771I$	$-3.10541 + 5.57944I$	0
$u = 1.352790 + 0.191832I$ $a = 1.57075 - 0.21221I$ $b = -1.044160 - 0.411993I$	$-5.42970 - 3.53470I$	0
$u = 1.352790 - 0.191832I$ $a = 1.57075 + 0.21221I$ $b = -1.044160 + 0.411993I$	$-5.42970 + 3.53470I$	0
$u = -1.334670 + 0.330501I$ $a = -1.55791 + 0.32540I$ $b = 0.175954 - 1.190020I$	$1.38298 + 3.12184I$	0
$u = -1.334670 - 0.330501I$ $a = -1.55791 - 0.32540I$ $b = 0.175954 + 1.190020I$	$1.38298 - 3.12184I$	0
$u = 0.461911 + 0.406202I$ $a = 0.28123 - 1.64366I$ $b = -0.821473 + 0.229272I$	$-3.41083 + 1.56394I$	$-13.77106 - 0.02572I$
$u = 0.461911 - 0.406202I$ $a = 0.28123 + 1.64366I$ $b = -0.821473 - 0.229272I$	$-3.41083 - 1.56394I$	$-13.77106 + 0.02572I$
$u = 1.38882$ $a = -0.894922$ $b = 0.0181684$	-6.53287	0
$u = 1.373810 + 0.327896I$ $a = 1.74591 + 0.30759I$ $b = -0.46361 - 1.49242I$	$0.49565 - 9.00597I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = 1.373810 - 0.327896I$ $a = 1.74591 - 0.30759I$ $b = -0.46361 + 1.49242I$	$0.49565 + 9.00597I$	0
$u = -1.40111 + 0.26118I$ $a = 1.94947 + 0.43052I$ $b = -1.259340 + 0.325492I$	$-7.75888 + 8.23897I$	0
$u = -1.40111 - 0.26118I$ $a = 1.94947 - 0.43052I$ $b = -1.259340 - 0.325492I$	$-7.75888 - 8.23897I$	0
$u = 0.071840 + 0.552974I$ $a = 0.01528 - 3.02987I$ $b = -0.330288 - 1.143560I$	$-0.69378 - 2.54574I$	$-3.93469 + 4.38996I$
$u = 0.071840 - 0.552974I$ $a = 0.01528 + 3.02987I$ $b = -0.330288 + 1.143560I$	$-0.69378 + 2.54574I$	$-3.93469 - 4.38996I$
$u = -1.43987 + 0.14560I$ $a = 1.24613 + 0.98490I$ $b = -0.917886 + 0.053868I$	$-9.46417 + 0.48874I$	0
$u = -1.43987 - 0.14560I$ $a = 1.24613 - 0.98490I$ $b = -0.917886 - 0.053868I$	$-9.46417 - 0.48874I$	0
$u = 1.41119 + 0.32817I$ $a = -1.73533 - 0.42501I$ $b = 0.304129 + 1.125510I$	$-0.85298 - 8.80531I$	0
$u = 1.41119 - 0.32817I$ $a = -1.73533 + 0.42501I$ $b = 0.304129 - 1.125510I$	$-0.85298 + 8.80531I$	0
$u = -1.43461 + 0.32355I$ $a = 2.01968 - 0.51742I$ $b = -0.55973 + 1.52348I$	$-2.0394 + 14.7170I$	0

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = -1.43461 - 0.32355I$ $a = 2.01968 + 0.51742I$ $b = -0.55973 - 1.52348I$	$-2.0394 - 14.7170I$	0
$u = -0.263721 + 0.414290I$ $a = -0.089083 + 0.498277I$ $b = -0.547343 + 0.345848I$	$-0.480323 + 1.226230I$	$-5.70379 - 5.33805I$
$u = -0.263721 - 0.414290I$ $a = -0.089083 - 0.498277I$ $b = -0.547343 - 0.345848I$	$-0.480323 - 1.226230I$	$-5.70379 + 5.33805I$
$u = 1.51224 + 0.04246I$ $a = -0.021792 + 1.121390I$ $b = -0.159960 - 1.012480I$	$-5.24444 - 0.82507I$	0
$u = 1.51224 - 0.04246I$ $a = -0.021792 - 1.121390I$ $b = -0.159960 + 1.012480I$	$-5.24444 + 0.82507I$	0
$u = 0.085208 + 0.469629I$ $a = 0.229268 - 0.034778I$ $b = -0.760151 + 0.894401I$	$-0.97414 + 1.49816I$	$-3.90867 + 1.16289I$
$u = 0.085208 - 0.469629I$ $a = 0.229268 + 0.034778I$ $b = -0.760151 - 0.894401I$	$-0.97414 - 1.49816I$	$-3.90867 - 1.16289I$
$u = -1.52569 + 0.08141I$ $a = 0.37288 + 1.45493I$ $b = -0.438151 - 1.250040I$	$-5.76976 - 4.33338I$	0
$u = -1.52569 - 0.08141I$ $a = 0.37288 - 1.45493I$ $b = -0.438151 + 1.250040I$	$-5.76976 + 4.33338I$	0
$u = -0.439722$ $a = -1.31943$ $b = 0.0992099$	-0.965483	-10.6880

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

(i) Arc colorings

$$a_4 = \begin{pmatrix} 0 \\ u \end{pmatrix}$$
$$a_9 = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$
$$a_8 = \begin{pmatrix} 1 \\ -2 \end{pmatrix}$$
$$a_1 = \begin{pmatrix} a \\ -a-\frac{1}{2}u \end{pmatrix}$$
$$a_3 = \begin{pmatrix} u \\ -u \end{pmatrix}$$
$$a_2 = \begin{pmatrix} a+u \\ -a-\frac{3}{2}u \end{pmatrix}$$
$$a_7 = \begin{pmatrix} -1 \\ 0 \end{pmatrix}$$
$$a_5 = \begin{pmatrix} -u \\ u \end{pmatrix}$$
$$a_{11} = \begin{pmatrix} -\frac{1}{2}u \\ -a-\frac{1}{2}u \end{pmatrix}$$
$$a_{10} = \begin{pmatrix} \frac{1}{2}au+\frac{3}{2} \\ -a-\frac{1}{2}u-1 \end{pmatrix}$$
$$a_6 = \begin{pmatrix} a \\ -a-\frac{1}{2}u \end{pmatrix}$$
$$a_6 = \begin{pmatrix} a \\ -a-\frac{1}{2}u \end{pmatrix}$$

(ii) Obstruction class $= 1$

(iii) Cusp Shapes $= -4a-2u-16$

(iv) u-Polynomials at the component

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

(v) Riley Polynomials at the component

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

(vi) Complex Volumes and Cusp Shapes

Solutions to I_2^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = 1.41421$ $a = -1.20711 + 0.86603I$ $b = 0.500000 - 0.866025I$	$-6.57974 + 2.02988I$	$-14.0000 - 3.4641I$
$u = 1.41421$ $a = -1.20711 - 0.86603I$ $b = 0.500000 + 0.866025I$	$-6.57974 - 2.02988I$	$-14.0000 + 3.4641I$
$u = -1.41421$ $a = 0.207107 + 0.866025I$ $b = 0.500000 - 0.866025I$	$-6.57974 + 2.02988I$	$-14.0000 - 3.4641I$
$u = -1.41421$ $a = 0.207107 - 0.866025I$ $b = 0.500000 + 0.866025I$	$-6.57974 - 2.02988I$	$-14.0000 + 3.4641I$

III. $I_1^v = \langle a,\ b - v - 1,\ v^2 + v + 1\rangle$

(i) Arc colorings

$$a_4 = \begin{pmatrix} v \\ 0 \end{pmatrix}$$
$$a_9 = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$
$$a_8 = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$
$$a_1 = \begin{pmatrix} 0 \\ v+1 \end{pmatrix}$$
$$a_3 = \begin{pmatrix} v \\ 0 \end{pmatrix}$$
$$a_2 = \begin{pmatrix} v \\ v+1 \end{pmatrix}$$
$$a_7 = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$
$$a_5 = \begin{pmatrix} v \\ 0 \end{pmatrix}$$
$$a_{11} = \begin{pmatrix} v+1 \\ v+1 \end{pmatrix}$$
$$a_{10} = \begin{pmatrix} v+1 \\ v \end{pmatrix}$$
$$a_6 = \begin{pmatrix} 0 \\ -v-1 \end{pmatrix}$$
$$a_6 = \begin{pmatrix} 0 \\ -v-1 \end{pmatrix}$$

(ii) Obstruction class $= 1$

(iii) Cusp Shapes $= 4v - 10$

(iv) u-Polynomials at the component

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

(v) Riley Polynomials at the component

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

(vi) Complex Volumes and Cusp Shapes

Solutions to I_1^v	$\sqrt{-1}(\mathrm{vol} + \sqrt{-1}CS)$	Cusp shape
$v = -0.500000 + 0.866025I$ $a = 0$ $b = 0.500000 + 0.866025I$	$-1.64493 - 2.02988I$	$-12.00000 + 3.46410I$
$v = -0.500000 - 0.866025I$ $a = 0$ $b = 0.500000 - 0.866025I$	$-1.64493 + 2.02988I$	$-12.00000 - 3.46410I$

IV. u-Polynomials

Crossings	u-Polynomials at each crossing
c_1	$((u-1)^2)(u+1)^4(u^{60}+3u^{59}+\cdots-21u-7)$
c_2	$((u+1)^6)(u^{60}+29u^{59}+\cdots+259u+49)$
c_3, c_7, c_8	$u^2(u^2-2)^2(u^{60}+u^{59}+\cdots-4u-4)$
c_4	$u^2(u^2-2)^2(u^{60}-3u^{59}+\cdots+1892u+748)$
c_5	$((u-1)^4)(u+1)^2(u^{60}+3u^{59}+\cdots-21u-7)$
c_6	$((u^2-u+1)^2)(u^2+u+1)(u^{60}-2u^{59}+\cdots+10u+1)$
c_9	$((u^2-u+1)^3)(u^{60}+20u^{59}+\cdots-58u+1)$
c_{10}	$(u^2-u+1)(u^2+u+1)^2(u^{60}-2u^{59}+\cdots+10u+1)$
c_{11}	$((u^2+u+1)^3)(u^{60}+20u^{59}+\cdots-58u+1)$

V. Riley Polynomials

Crossings	Riley Polynomials at each crossing
c_1, c_5	$((y-1)^6)(y^{60} - 29y^{59} + \cdots - 259y + 49)$
c_2	$((y-1)^6)(y^{60} + 11y^{59} + \cdots - 38171y + 2401)$
c_3, c_7, c_8	$y^2(y-2)^4(y^{60} - 55y^{59} + \cdots + 144y + 16)$
c_4	$y^2(y-2)^4(y^{60} + 5y^{59} + \cdots - 713328y + 559504)$
c_6, c_{10}	$((y^2+y+1)^3)(y^{60} + 20y^{59} + \cdots - 58y + 1)$
c_9, c_{11}	$((y^2+y+1)^3)(y^{60} + 44y^{59} + \cdots - 3138y + 1)$