

Table 7.1 Knots.

	Knot	Writhe	S(a,b)	$ H_1(M_k) $	Signature	$\langle c_0, \dots, c_n \rangle$
0	0_1	-1	S(1, 1)	1	0	$\langle 1 \rangle$
1	3_1	-3	S(3, 1)	3	2	$\langle 3 \rangle$
2	3_1^*	3	S(3, 2)	3	-2	$\langle 1, 1, 1 \rangle$
3	4_1	0	S(5, 3)	5	0	$\langle 1, 1, 2 \rangle$
4	5_1	-5	S(5, 1)	5	4	$\langle 5 \rangle$
5	5_1^*	5	S(5, 4)	5	-4	$\langle 1, 3, 1 \rangle$
6	5_2	-5	S(7, 5)	7	2	$\langle 1, 2, 2 \rangle$
7	5_2^*	5	S(7, 4)	7	-2	$\langle 1, 1, 3 \rangle$
8	6_1	-2	S(9, 7)	9	0	$\langle 1, 3, 2 \rangle$
9	6_1^*	2	S(9, 5)	9	0	$\langle 1, 1, 4 \rangle$
10	6_2	-2	S(11, 4)	11	2	$\langle 2, 1, 3 \rangle$
11	6_2^*	2	S(11, 7)	11	-2	$\langle 1, 1, 1, 2, 1 \rangle$
12	6_3	0	S(13, 8)	13	0	$\langle 1, 1, 1, 1, 2 \rangle$
13	$3_1 \# 3_1$	-6		9	4	$\langle 3 \rangle \# \langle 3 \rangle$
14	$3_1^* \# 3_1^*$	6		9	-4	$\langle 1, 1, 1 \rangle \# \langle 1, 1, 1 \rangle$
15	$3_1 \# 3_1^*$	0		9	0	$\langle 3 \rangle \# \langle 1, 1, 1 \rangle$
16	7_1	-7	S(7, 1)	7	6	$\langle 7 \rangle$
17	7_1^*	7	S(7, 6)	7	-6	$\langle 1, 5, 1 \rangle$
18	7_2	-7	S(11, 9)	11	2	$\langle 1, 4, 2 \rangle$
19	7_2^*	7	S(11, 6)	11	-2	$\langle 1, 1, 5 \rangle$
20	7_3	7	S(13, 10)	13	-4	$\langle 1, 3, 3 \rangle$
21	7_3^*	-7	S(13, 9)	13	4	$\langle 1, 2, 4 \rangle$
22	7_4	7	S(15, 4)	15	-2	$\langle 3, 1, 3 \rangle$
23	7_4^*	-7	S(15, 11)	15	2	$\langle 1, 2, 1, 2, 1 \rangle$
24	7_5	-7	S(17, 7)	17	4	$\langle 2, 2, 3 \rangle$
25	7_5^*	7	S(17, 10)	17	-4	$\langle 1, 1, 2, 2, 1 \rangle$
26	7_6	-3	S(19, 11)	19	2	$\langle 1, 1, 2, 1, 2 \rangle$
27	7_6^*	3	S(19, 12)	19	-2	$\langle 1, 1, 1, 2, 2 \rangle$
28	7_7	1	S(21, 8)	21	0	$\langle 2, 1, 1, 1, 2 \rangle$
29	7_7^*	-1	S(21, 13)	21	0	$\langle 1, 1, 1, 1, 1, 1, 1 \rangle$
30	$3_1 \# 4_1$	-3		15	2	$\langle 3 \rangle \# \langle 1, 1, 2 \rangle$
31	$3_1^* \# 4_1$	3		15	-2	$\langle 1, 1, 1 \rangle \# \langle 1, 1, 2 \rangle$
32	8_1	-4	S(13, 11)	13	0	$\langle 1, 5, 2 \rangle$
33	8_1^*	4	S(13, 7)	13	0	$\langle 1, 1, 6 \rangle$
34	8_2	-4	S(17, 6)	17	4	$\langle 2, 1, 5 \rangle$
35	8_2^*	4	S(17, 11)	17	-4	$\langle 1, 1, 1, 4, 1 \rangle$
36	8_3	0	S(17, 13)	17	0	$\langle 1, 3, 4 \rangle$
37	8_4	0	S(19, 5)	19	2	$\langle 3, 1, 4 \rangle$
38	8_4^*	0	S(19, 14)	19	-2	$\langle 1, 2, 1, 3, 1 \rangle$
39	8_5	4		21	-4	
40	8_5^*	-4		21	4	
41	8_6	-4	S(23, 10)	23	2	$\langle 2, 3, 3 \rangle$
42	8_6^*	4	S(23, 13)	23	-2	$\langle 1, 1, 3, 2, 1 \rangle$
43	8_7	2	S(23, 18)	23	-2	$\langle 1, 3, 1, 1, 2 \rangle$
44	8_7^*	-2	S(23, 14)	23	2	$\langle 1, 1, 1, 1, 4 \rangle$
45	8_8	2	S(25, 14)	25	0	$\langle 1, 1, 3, 1, 2 \rangle$
46	8_8^*	-2	S(25, 16)	25	0	$\langle 1, 1, 1, 3, 2 \rangle$

Table 7.1 Knots (cont.).

	Knot	Writhe	S(a,b)	$ H_1(M_k) $	Signature	$\langle c_0, \dots, c_n \rangle$
47	8_9	0	S(25, 18)	25	0	$\langle 1, 2, 1, 1, 3 \rangle$
48	8_{10}	2		27	-2	
49	8_{10}^*	-2		27	2	
50	8_{11}	-4	S(27, 19)	27	2	$\langle 1, 2, 2, 1, 2 \rangle$
51	8_{11}^*	4	S(27, 17)	27	-2	$\langle 1, 1, 1, 2, 3 \rangle$
52	8_{12}	0	S(29, 17)	29	0	$\langle 1, 1, 2, 2, 2 \rangle$
53	8_{13}	-2	S(29, 18)	29	0	$\langle 1, 1, 1, 1, 1, 2, 1 \rangle$
54	8_{13}^*	2	S(29, 11)	29	0	$\langle 2, 1, 1, 1, 3 \rangle$
55	8_{14}	-4	S(31, 12)	31	2	$\langle 2, 1, 1, 2, 2 \rangle$
56	8_{14}^*	4	S(31, 19)	31	-2	$\langle 1, 1, 1, 1, 2, 1, 1 \rangle$
57	8_{15}	8		33	4	
58	8_{15}^*	-8		33	-4	
59	8_{16}	2		35	2	
60	8_{16}^*	-2		35	-2	
61	8_{17}	0		37	0	
62	8_{17}^*	0		37	0	
63	8_{18}	0		45	0	
64	8_{18}^*	0		45	0	
65	8_{19}	-8		3	-6	
66	8_{19}^*	8		3	6	
67	8_{20}	2		9	0	
68	8_{20}^*	-2		9	0	
69	8_{21}	4		15	2	
70	8_{21}^*	-4		15	-2	
71	$3_1 \# 5_1$	-8		15	6	$\langle 3 \rangle \# \langle 5 \rangle$
72	$3_1^* \# 5_1^*$	8		15	-6	$\langle 1, 1, 1 \rangle \# \langle 1, 3, 1 \rangle$
73	$3_1 \# 5_1^*$	2		15	-2	$\langle 3 \rangle \# \langle 1, 3, 1 \rangle$
74	$3_1^* \# 5_1$	-2		15	2	$\langle 1, 1, 1 \rangle \# \langle 5 \rangle$
75	$3_1 \# 5_2$	-8		21	4	$\langle 3 \rangle \# \langle 1, 2, 2 \rangle$
76	$3_1^* \# 5_2^*$	8		21	-4	$\langle 1, 1, 1 \rangle \# \langle 1, 1, 3 \rangle$
77	$3_1 \# 5_2^*$	2		21	0	$\langle 3 \rangle \# \langle 1, 1, 3 \rangle$
78	$3_1^* \# 5_2$	-2		21	0	$\langle 1, 1, 1 \rangle \# \langle 1, 2, 2 \rangle$
79	$4_1 \# 4_1$	0		25	0	$\langle 1, 1, 2 \rangle \# \langle 1, 1, 2 \rangle$
80	9_1	-9	S(9, 1)	9	8	$\langle 9 \rangle$
81	9_1^*	9	S(9, 8)	9	-8	$\langle 1, 7, 1 \rangle$
82	9_2	-9	S(15, 13)	15	2	$\langle 1, 6, 2 \rangle$
83	9_2^*	9	S(15, 8)	15	-2	$\langle 1, 1, 7 \rangle$
84	9_3	9	S(19, 16)	19	-6	$\langle 1, 5, 3 \rangle$
85	9_3^*	-9	S(19, 13)	19	6	$\langle 1, 2, 6 \rangle$
86	9_4	-9	S(21, 17)	21	4	$\langle 1, 4, 4 \rangle$
87	9_4^*	9	S(21, 16)	21	-4	$\langle 1, 3, 5 \rangle$
88	9_5	9	S(23, 6)	23	-2	$\langle 3, 1, 5 \rangle$
89	9_5^*	-9	S(23, 17)	23	2	$\langle 1, 2, 1, 4, 1 \rangle$
90	9_6	-9	S(27, 11)	27	6	$\langle 2, 2, 5 \rangle$
91	9_6^*	9	S(27, 16)	27	-6	$\langle 1, 1, 2, 4, 1 \rangle$
92	9_7	-9	S(29, 13)	29	4	$\langle 2, 4, 3 \rangle$
93	9_7^*	9	S(29, 16)	29	-4	$\langle 1, 1, 4, 2, 1 \rangle$

Table 7.1 Knots (cont.).

	Knot	Writhe	S(a,b)	$ H_1(M_k) $	Signature	$\langle c_0, \dots, c_n \rangle$
94	9_8	-1	S(31, 17)	31	2	$\langle 1, 1, 4, 1, 2 \rangle$
95	9_8^*	1	S(31, 20)	31	-2	$\langle 1, 1, 1, 4, 2 \rangle$
96	9_9	-9	S(31, 9)	31	6	$\langle 3, 2, 4 \rangle$
97	9_9^*	9	S(31, 22)	31	-6	$\langle 1, 2, 2, 3, 1 \rangle$
98	9_{10}	9	S(33, 10)	33	-4	$\langle 3, 3, 3 \rangle$
99	9_{10}^*	-9	S(33, 23)	33	4	$\langle 1, 2, 3, 2, 1 \rangle$
100	9_{11}	5	S(33, 26)	33	-4	$\langle 1, 3, 1, 2, 2 \rangle$
101	9_{11}^*	-5	S(33, 19)	33	4	$\langle 1, 1, 2, 1, 4 \rangle$
102	9_{12}	-5	S(35, 27)	35	2	$\langle 1, 3, 2, 1, 2 \rangle$
103	9_{12}^*	5	S(35, 22)	35	-2	$\langle 1, 1, 1, 2, 4 \rangle$
104	9_{13}	9	S(37, 26)	37	-4	$\langle 1, 2, 2, 1, 3 \rangle$
105	9_{13}^*	-9	S(37, 27)	37	4	$\langle 1, 2, 1, 2, 3 \rangle$
106	9_{14}	3	S(37, 14)	37	0	$\langle 2, 1, 1, 1, 4 \rangle$
107	9_{14}^*	-3	S(37, 23)	37	0	$\langle 1, 1, 1, 1, 1, 3, 1 \rangle$
108	9_{15}	5	S(39, 22)	39	-2	$\langle 1, 1, 3, 2, 2 \rangle$
109	9_{15}^*	-5	S(39, 23)	39	2	$\langle 1, 1, 2, 3, 2 \rangle$
110	9_{17}	-1	S(39, 14)	39	2	$\langle 2, 1, 3, 1, 2 \rangle$
111	9_{17}^*	1	S(39, 25)	39	-2	$\langle 1, 1, 1, 3, 1, 1, 1 \rangle$
112	9_{18}	-9	S(41, 29)	41	4	$\langle 1, 2, 2, 2, 2 \rangle$
113	9_{18}^*	9	S(41, 24)	41	-4	$\langle 1, 1, 2, 2, 3 \rangle$
114	9_{19}	-1	S(41, 16)	41	0	$\langle 2, 1, 1, 3, 2 \rangle$
115	9_{19}^*	1	S(41, 25)	41	0	$\langle 1, 1, 1, 1, 3, 1, 1 \rangle$
116	9_{20}	-5	S(41, 15)	41	4	$\langle 2, 1, 2, 1, 3 \rangle$
117	9_{20}^*	5	S(41, 26)	41	-4	$\langle 1, 1, 1, 2, 1, 2, 1 \rangle$
118	9_{21}	5	S(43, 18)	43	-2	$\langle 2, 2, 1, 1, 3 \rangle$
119	9_{21}^*	-5	S(43, 25)	43	2	$\langle 1, 1, 2, 1, 1, 2, 1 \rangle$
120	9_{23}	-9	S(45, 19)	45	4	$\langle 2, 2, 1, 2, 2 \rangle$
121	9_{23}^*	9	S(45, 26)	45	-4	$\langle 1, 1, 2, 1, 2, 1, 1 \rangle$
122	9_{26}	3	S(47, 34)	47	-2	$\langle 1, 2, 1, 1, 1, 1, 2 \rangle$
123	9_{26}^*	-3	S(47, 29)	47	2	$\langle 1, 1, 1, 1, 1, 1, 3 \rangle$
124	9_{27}	-1	S(49, 31)	49	0	$\langle 1, 1, 1, 2, 1, 1, 2 \rangle$
125	9_{27}^*	1	S(49, 30)	49	0	$\langle 1, 1, 1, 1, 2, 1, 2 \rangle$
126	9_{31}	-3	S(55, 21)	55	2	$\langle 2, 1, 1, 1, 1, 1, 2 \rangle$
127	9_{31}^*	3	S(55, 34)	55	-2	$\langle 1, 1, 1, 1, 1, 1, 1, 1 \rangle$
128	$3_1 \# 6_1$	-5		27	2	$\langle 3 \rangle \# \langle 1, 3, 2 \rangle$
129	$3_1^* \# 6_1^*$	5		27	-2	$\langle 1, 1, 1 \rangle \# \langle 1, 1, 4 \rangle$
130	$3_1 \# 6_1^*$	-1		27	2	$\langle 3 \rangle \# \langle 1, 1, 4 \rangle$
131	$3_1^* \# 6_1$	1		27	-2	$\langle 1, 1, 1 \rangle \# \langle 1, 3, 2 \rangle$
132	$3_1 \# 6_2$	-5		33	4	$\langle 3 \rangle \# \langle 2, 1, 3 \rangle$
133	$3_1^* \# 6_2^*$	5		33	-4	$\langle 1, 1, 1 \rangle \# \langle 1, 1, 1, 2, 1 \rangle$
134	$3_1 \# 6_2^*$	-1		33	0	$\langle 3 \rangle \# \langle 1, 1, 1, 2, 1 \rangle$
135	$3_1^* \# 6_2$	1		33	0	$\langle 1, 1, 1 \rangle \# \langle 2, 1, 3 \rangle$
136	$3_1 \# 6_3$	-3		39	2	$\langle 3 \rangle \# \langle 1, 1, 1, 1, 2 \rangle$
137	$3_1^* \# 6_3$	3		39	-2	$\langle 1, 1, 1 \rangle \# \langle 1, 1, 1, 1, 2 \rangle$
138	$3_1 \# 3_1 \# 3_1$	-9		27	6	$\langle 3 \rangle \# \langle 3 \rangle \# \langle 3 \rangle$
139	$3_1^* \# 3_1^* \# 3_1^*$	9		27	-6	$\langle 1, 1, 1 \rangle \# \langle 1, 1, 1 \rangle$ $\# \langle 1, 1, 1 \rangle$

Table 7.1 Knots (cont.).

	Knot	Writhe	S(a,b)	$ H_1(M_k) $	Signature	$\langle c_0, \dots, c_n \rangle$
140	$3_1 \# 3_1^* \# 3_1^*$	3		27	-2	$\langle 3 \rangle \# \langle 1, 1, 1 \rangle$ $\# \langle 1, 1, 1 \rangle$
141	$3_1 \# 3_1 \# 3_1^*$	-3		27	2	$\langle 3 \rangle \# \langle 3 \rangle \# \langle 1, 1, 1 \rangle$
142	$4_1 \# 5_1$	-5		25	4	$\langle 1, 1, 2 \rangle \# \langle 5 \rangle$
143	$4_1 \# 5_1^*$	5		25	-4	$\langle 1, 1, 2 \rangle \# \langle 1, 3, 1 \rangle$
144	$4_1 \# 5_2$	-5		35	2	$\langle 1, 1, 2 \rangle \# \langle 1, 2, 2 \rangle$
145	$4_1 \# 5_2^*$	5		35	-2	$\langle 1, 1, 2 \rangle \# \langle 1, 1, 3 \rangle$
146	10_1	-6	S(17, 15)	17	0	$\langle 1, 7, 2 \rangle$
147	10_1^*	6	S(17, 9)	17	0	$\langle 1, 1, 8 \rangle$
148	10_2	-6	S(23, 8)	23	6	$\langle 2, 1, 7 \rangle$
149	10_2^*	6	S(23, 15)	23	-6	$\langle 1, 1, 1, 6, 1 \rangle$
150	10_3	-2	S(25, 21)	25	0	$\langle 1, 5, 4 \rangle$
151	10_3^*	2	S(25, 19)	25	0	$\langle 1, 3, 6 \rangle$
152	10_4	2	S(27, 7)	27	2	$\langle 3, 1, 6 \rangle$
153	10_4^*	-2	S(27, 20)	27	-2	$\langle 1, 2, 1, 5, 1 \rangle$
154	10_5	4	S(33, 28)	33	-4	$\langle 1, 5, 1, 1, 2 \rangle$
155	10_5^*	-4	S(33, 20)	33	4	$\langle 1, 1, 1, 1, 6 \rangle$
156	10_6	-6	S(37, 16)	37	4	$\langle 2, 3, 5 \rangle$
157	10_6^*	6	S(37, 21)	37	-4	$\langle 1, 1, 3, 4, 1 \rangle$
158	10_7	-6	S(43, 35)	43	2	$\langle 1, 4, 2, 1, 2 \rangle$
159	10_7^*	6	S(43, 27)	43	-2	$\langle 1, 1, 1, 2, 5 \rangle$
160	10_8	-2	S(29, 6)	29	4	$\langle 4, 1, 5 \rangle$
161	10_8^*	2	S(29, 23)	29	-4	$\langle 1, 3, 1, 4, 1 \rangle$
162	10_9	2	S(39, 32)	39	-2	$\langle 1, 4, 1, 1, 3 \rangle$
163	10_9^*	-2	S(39, 28)	39	2	$\langle 1, 2, 1, 1, 5 \rangle$
164	10_{10}	4	S(45, 17)	45	0	$\langle 2, 1, 1, 1, 5 \rangle$
165	10_{10}^*	-4	S(45, 28)	45	0	$\langle 1, 1, 1, 1, 1, 4, 1 \rangle$
166	10_{11}	-2	S(43, 13)	43	2	$\langle 3, 3, 4 \rangle$
167	10_{11}^*	2	S(43, 30)	43	-2	$\langle 1, 2, 3, 3, 1 \rangle$
168	10_{12}	4	S(47, 36)	47	-2	$\langle 1, 3, 3, 1, 2 \rangle$
169	10_{12}^*	-4	S(47, 30)	47	2	$\langle 1, 1, 1, 3, 4 \rangle$
170	10_{13}	-2	S(53, 41)	53	0	$\langle 1, 3, 2, 2, 2 \rangle$
171	10_{13}^*	2	S(53, 31)	53	0	$\langle 1, 1, 2, 2, 4 \rangle$
172	10_{14}	-6	S(57, 22)	57	4	$\langle 2, 1, 1, 2, 4 \rangle$
173	10_{14}^*	6	S(57, 35)	57	-4	$\langle 1, 1, 1, 1, 2, 3, 1 \rangle$
174	10_{15}	0	S(43, 34)	43	-2	$\langle 1, 3, 1, 3, 2 \rangle$
175	10_{15}^*	0	S(43, 24)	43	2	$\langle 1, 1, 3, 1, 4 \rangle$
176	10_{16}	2	S(47, 37)	47	-2	$\langle 1, 3, 1, 2, 3 \rangle$
177	10_{16}^*	-2	S(47, 33)	47	2	$\langle 1, 2, 2, 1, 4 \rangle$
178	10_{17}	0	S(41, 32)	41	0	$\langle 1, 3, 1, 1, 4 \rangle$
179	10_{18}	-2	S(55, 23)	55	2	$\langle 2, 2, 1, 1, 4 \rangle$
180	10_{18}^*	2	S(55, 32)	55	-2	$\langle 1, 1, 2, 1, 1, 3, 1 \rangle$
181	10_{19}	0	S(51, 14)	51	2	$\langle 3, 1, 1, 1, 4 \rangle$
182	10_{19}^*	0	S(51, 37)	51	-2	$\langle 1, 2, 1, 1, 1, 3, 1 \rangle$
183	10_{20}	-6	S(35, 16)	35	2	$\langle 2, 5, 3 \rangle$
184	10_{20}^*	6	S(35, 19)	35	-2	$\langle 1, 1, 5, 2, 1 \rangle$
185	10_{21}	-6	S(45, 31)	45	4	$\langle 1, 2, 4, 1, 2 \rangle$

Table 7.1 Knots (cont.).

	Knot	Writhe	S(a,b)	$ H_1(M_k) $	Signature	$\langle c_0, \dots, c_n \rangle$
186	10_{21}^*	6	S(45, 29)	45	-4	$\langle 1, 1, 1, 4, 3 \rangle$
187	10_{22}	2	S(49, 34)	49	0	$\langle 1, 2, 3, 1, 3 \rangle$
188	10_{22}^*	-2	S(49, 36)	49	0	$\langle 1, 2, 1, 3, 3 \rangle$
189	10_{23}	4	S(59, 23)	59	-2	$\langle 2, 1, 1, 3, 3 \rangle$
190	10_{23}^*	-4	S(59, 36)	59	2	$\langle 1, 1, 1, 1, 3, 2, 1 \rangle$
191	10_{24}	-6	S(55, 39)	55	2	$\langle 1, 2, 2, 3, 2 \rangle$
192	10_{24}^*	6	S(55, 31)	55	-2	$\langle 1, 1, 3, 2, 3 \rangle$
193	10_{25}	-6	S(65, 24)	65	4	$\langle 2, 1, 2, 2, 3 \rangle$
194	10_{25}^*	6	S(65, 41)	65	-4	$\langle 1, 1, 1, 2, 2, 2, 1 \rangle$
195	10_{26}	2	S(61, 17)	61	0	$\langle 3, 1, 1, 2, 3 \rangle$
196	10_{26}^*	-2	S(61, 44)	61	0	$\langle 1, 2, 1, 1, 2, 2, 1 \rangle$
197	10_{27}	4	S(71, 50)	71	-2	$\langle 1, 2, 2, 1, 1, 1, 2 \rangle$
198	10_{27}^*	-4	S(71, 44)	71	2	$\langle 1, 1, 1, 1, 1, 2, 3 \rangle$
199	10_{28}	4	S(53, 19)	53	0	$\langle 2, 1, 3, 1, 3 \rangle$
200	10_{28}^*	-4	S(53, 34)	53	0	$\langle 1, 1, 1, 3, 1, 2, 1 \rangle$
201	10_{29}	-2	S(63, 26)	63	2	$\langle 2, 2, 2, 1, 3 \rangle$
202	10_{29}^*	2	S(63, 37)	63	-2	$\langle 1, 1, 2, 2, 1, 2, 1 \rangle$
203	10_{30}	-6	S(67, 49)	67	2	$\langle 1, 2, 1, 2, 1, 1, 2 \rangle$
204	10_{30}^*	6	S(67, 41)	67	-2	$\langle 1, 1, 1, 1, 2, 1, 3 \rangle$
205	10_{31}	0	S(57, 25)	57	0	$\langle 2, 3, 1, 1, 3 \rangle$
206	10_{31}^*	0	S(57, 32)	57	0	$\langle 1, 1, 3, 1, 1, 2, 1 \rangle$
207	10_{32}	-2	S(69, 50)	69	0	$\langle 1, 2, 1, 1, 1, 2, 2 \rangle$
208	10_{32}^*	2	S(69, 40)	69	0	$\langle 1, 1, 2, 1, 1, 1, 3 \rangle$
209	10_{33}	0	S(65, 47)	65	0	$\langle 1, 2, 1, 1, 1, 1, 3 \rangle$
210	10_{34}	4	S(37, 20)	37	0	$\langle 1, 1, 5, 1, 2 \rangle$
211	10_{34}^*	-4	S(37, 24)	37	0	$\langle 1, 1, 1, 5, 2 \rangle$
212	10_{35}	2	S(49, 27)	49	0	$\langle 1, 1, 4, 2, 2 \rangle$
213	10_{35}^*	-2	S(49, 29)	49	0	$\langle 1, 1, 2, 4, 2 \rangle$
214	10_{36}	-6	S(51, 20)	51	2	$\langle 2, 1, 1, 4, 2 \rangle$
215	10_{36}^*	6	S(51, 31)	51	-2	$\langle 1, 1, 1, 1, 4, 1, 1 \rangle$
216	10_{37}	0	S(53, 30)	53	0	$\langle 1, 1, 3, 3, 2 \rangle$
217	10_{38}	-6	S(59, 25)	59	2	$\langle 2, 2, 1, 3, 2 \rangle$
218	10_{38}^*	6	S(59, 34)	59	-2	$\langle 1, 1, 2, 1, 3, 1, 1 \rangle$
219	10_{39}	-6	S(61, 22)	61	4	$\langle 2, 1, 3, 2, 2 \rangle$
220	10_{39}^*	6	S(61, 39)	61	-4	$\langle 1, 1, 1, 3, 2, 1, 1 \rangle$
221	10_{40}	4	S(75, 44)	75	-2	$\langle 1, 1, 2, 2, 1, 1, 2 \rangle$
222	10_{40}^*	-4	S(75, 46)	75	2	$\langle 1, 1, 1, 1, 2, 2, 2 \rangle$
223	10_{41}	-2	S(71, 41)	71	2	$\langle 1, 1, 2, 1, 2, 1, 2 \rangle$
224	10_{41}^*	2	S(71, 45)	71	-2	$\langle 1, 1, 1, 2, 1, 2, 2 \rangle$
225	10_{42}	0	S(81, 31)	81	0	$\langle 2, 1, 1, 1, 1, 2, 2 \rangle$
226	10_{42}^*	0	S(81, 50)	81	0	$\langle 1, 1, 1, 1, 1, 1, 2, 1, 1 \rangle$
227	10_{43}	0	S(73, 46)	73	0	$\langle 1, 1, 1, 2, 2, 1, 2 \rangle$
228	10_{44}	-2	S(79, 30)	79	2	$\langle 2, 1, 1, 1, 2, 1, 2 \rangle$
229	10_{44}^*	2	S(79, 49)	79	-2	$\langle 1, 1, 1, 1, 1, 2, 1, 1, 1 \rangle$
230	10_{45}	0	S(89, 55)	89	0	$\langle 1, 1, 1, 1, 1, 1, 1, 1, 2 \rangle$
231	$3_1 \# 7_1$	-10		21	8	$\langle 3 \rangle \# \langle 7 \rangle$
232	$3_1^* \# 7_1^*$	10		21	-8	$\langle 1, 1, 1 \rangle \# \langle 1, 5, 1 \rangle$

Table 7.1 Knots (cont.).

	Knot	Writhe	S(a,b)	$ H_1(M_k) $	Signature	$\langle c_0, \dots, c_n \rangle$
233	$3_1 \# 7_1^*$	4		21	-4	$\langle 3 \rangle \# \langle 1, 5, 1 \rangle$
234	$3_1^* \# 7_1$	-4		21	4	$\langle 1, 1, 1 \rangle \# \langle 7 \rangle$
235	$3_1 \# 7_2$	-10		33	4	$\langle 3 \rangle \# \langle 1, 4, 2 \rangle$
236	$3_1^* \# 7_2^*$	10		33	-4	$\langle 1, 1, 1 \rangle \# \langle 1, 1, 5 \rangle$
237	$3_1 \# 7_2^*$	4		33	0	$\langle 3 \rangle \# \langle 1, 1, 5 \rangle$
238	$3_1^* \# 7_2$	-4		33	0	$\langle 1, 1, 1 \rangle \# \langle 1, 4, 2 \rangle$
239	$3_1 \# 7_3$	4		39	-2	$\langle 3 \rangle \# \langle 1, 3, 3 \rangle$
240	$3_1^* \# 7_3^*$	-4		39	2	$\langle 1, 1, 1 \rangle \# \langle 1, 2, 4 \rangle$
241	$3_1 \# 7_3^*$	-10		39	6	$\langle 3 \rangle \# \langle 1, 2, 4 \rangle$
242	$3_1^* \# 7_3$	10		39	-6	$\langle 1, 1, 1 \rangle \# \langle 1, 3, 3 \rangle$
243	$3_1 \# 7_4$	4		45	0	$\langle 3 \rangle \# \langle 3, 1, 3 \rangle$
244	$3_1^* \# 7_4^*$	-4		45	0	$\langle 1, 1, 1 \rangle \# \langle 1, 2, 1, 2, 1 \rangle$
245	$3_1 \# 7_4^*$	-10		45	4	$\langle 3 \rangle \# \langle 1, 2, 1, 2, 1 \rangle$
246	$3_1^* \# 7_4$	10		45	-4	$\langle 1, 1, 1 \rangle \# \langle 3, 1, 3 \rangle$
247	$3_1 \# 7_5$	-10		51	6	$\langle 3 \rangle \# \langle 2, 2, 3 \rangle$
248	$3_1^* \# 7_5^*$	10		51	-6	$\langle 1, 1, 1 \rangle \# \langle 1, 1, 2, 2, 1 \rangle$
249	$3_1 \# 7_5^*$	4		51	-2	$\langle 3 \rangle \# \langle 1, 1, 2, 2, 1 \rangle$
250	$3_1^* \# 7_5$	-4		51	2	$\langle 1, 1, 1 \rangle \# \langle 2, 2, 3 \rangle$
251	$3_1 \# 7_6$	-6		57	4	$\langle 3 \rangle \# \langle 1, 1, 2, 1, 2 \rangle$
252	$3_1^* \# 7_6^*$	6		57	-4	$\langle 1, 1, 1 \rangle \# \langle 1, 1, 1, 2, 2 \rangle$
253	$3_1 \# 7_6^*$	0		57	0	$\langle 3 \rangle \# \langle 1, 1, 1, 2, 2 \rangle$
254	$3_1^* \# 7_6$	0		57	0	$\langle 1, 1, 1 \rangle \# \langle 1, 1, 2, 1, 2 \rangle$
255	$3_1 \# 7_7$	-2		63	2	$\langle 3 \rangle \# \langle 2, 1, 1, 1, 2 \rangle$
256	$3_1^* \# 7_7^*$	2		63	-2	$\langle 1, 1, 1 \rangle \# \langle 1, 1, 1, 1, 1, 1 \rangle$
257	$3_1 \# 7_7^*$	-4		63	2	$\langle 3 \rangle \# \langle 1, 1, 1, 1, 1, 1 \rangle$
258	$3_1^* \# 7_7$	4		63	-2	$\langle 1, 1, 1 \rangle \# \langle 2, 1, 1, 1, 2 \rangle$
259	$3_1 \# 3_1 \# 4_1$	-6		45	4	$\langle 3 \rangle \# \langle 3 \rangle \# \langle 1, 1, 2 \rangle$
260	$3_1^* \# 3_1^* \# 4_1$	6		45	-4	$\langle 1, 1, 1 \rangle \# \langle 1, 1, 1 \rangle$ $\# \langle 1, 1, 2 \rangle$
261	$3_1 \# 3_1^* \# 4_1$	0		45	0	$\langle 3 \rangle \# \langle 1, 1, 1 \rangle$ $\# \langle 1, 1, 2 \rangle$
262	$4_1 \# 6_1$	-2		45	0	$\langle 1, 1, 2 \rangle \# \langle 1, 3, 2 \rangle$
263	$4_1 \# 6_1^*$	2		45	0	$\langle 1, 1, 2 \rangle \# \langle 1, 1, 4 \rangle$
264	$4_1 \# 6_2$	-2		55	2	$\langle 1, 1, 2 \rangle \# \langle 2, 1, 3 \rangle$
265	$4_1 \# 6_2^*$	2		55	-2	$\langle 1, 1, 2 \rangle \# \langle 1, 1, 1, 2, 1 \rangle$
266	$4_1 \# 6_3$	0		65	0	$\langle 1, 1, 2 \rangle \# \langle 1, 1, 1, 1, 2 \rangle$
267	$5_1 \# 5_1$	-10		25	8	$\langle 5 \rangle \# \langle 5 \rangle$
268	$5_1^* \# 5_1^*$	10		25	-8	$\langle 1, 3, 1 \rangle \# \langle 1, 3, 1 \rangle$
269	$5_1 \# 5_1^*$	0		25	0	$\langle 5 \rangle \# \langle 1, 3, 1 \rangle$
270	$5_1 \# 5_2$	-10		35	6	$\langle 5 \rangle \# \langle 1, 2, 2 \rangle$
271	$5_1^* \# 5_2^*$	10		35	-6	$\langle 1, 3, 1 \rangle \# \langle 1, 1, 3 \rangle$
272	$5_1 \# 5_2^*$	0		35	2	$\langle 5 \rangle \# \langle 1, 1, 3 \rangle$
273	$5_1^* \# 5_2$	0		35	-2	$\langle 1, 3, 1 \rangle \# \langle 1, 2, 2 \rangle$
274	$5_2 \# 5_2$	-10		49	4	$\langle 1, 2, 2 \rangle \# \langle 1, 2, 2 \rangle$
275	$5_2^* \# 5_2^*$	10		49	-4	$\langle 1, 1, 3 \rangle \# \langle 1, 1, 3 \rangle$
276	$5_2 \# 5_2^*$	0		49	0	$\langle 1, 2, 2 \rangle \# \langle 1, 1, 3 \rangle$