Symbol

Knot[n, k] denotes the kth knot with n crossings in the Rolfsen table.

Knot[n, Alternating, k] (for n between

11 and 16) denotes the kth alternating n-crossing knot in

the Hoste-Thistlethwaite table. Knot[n, NonAlternating, k] denotes the

kth non alternating n-crossing knot in the Hoste-Thistlethwaite table.

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Knot[n, Alternating | NonAlternating, k] is the most basic unit in this package.

Alexander[Knot[12, Alternating, 165]][x]

KnotTheory/12A.dts Loading precomputed data.

The GaussCode to PD conversion was written

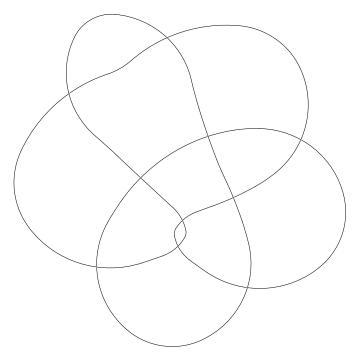
by Siddarth Sankaran at the University of Toronto in the summer of 2005.

$$31 - \frac{2}{x^3} + \frac{11}{x^2} - \frac{24}{x} - 24 + 11 + x^2 - 2 + x^3$$

From $n = 3 \rightarrow 10$ you can use simpler form Knot[n,k]

Show[DrawPD[Knot[10, 165]]]

DrawPD was written by Emily Redelmeier at the University of Toronto in the summers of 2003 and 2004.



There is 1,7 million Knots and 5700 links

ıt[16]=

k	Number of knots	Number of links
3	1	0
4	1	1
5	2	1
6	3	6
7	7	9
8	21	29
9	49	83
10	165	287
11	552	1007
12	2176	4276
13	9988	1
14	46 972	1
15	253 293	1
16	1388705	1

Scratchpad