

<< **KnotTheory`**

Loading KnotTheory` version of September 6, 2014, 13:37:37.2841.
 Read more at <http://katlas.org/wiki/KnotTheory>.

Alexander [Knot [11, NonAlternating, 185]] [t]

KnotTheory: Loading precomputed data in DTCode4KnotsTo11` +

KnotTheory: The GaussCode to PD conversion was written by Siddarth Sankaran at the University of Toronto in the summer of 2005. +

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

NumberOfKnots [11, NonAlternating]

185

A knot for which the ρ_1 genus bound is right but the Alexander genus bound is wrong is K_{293}^n :

K = Knot [12, NonAlternating, 293]

Knot [12, NonAlternating, 293]

PD[K]

KnotTheory: Loading precomputed data in KnotTheory/12N.dts. +

PD[X[4, 2, 5, 1], X[10, 4, 11, 3], X[12, 6, 13, 5], X[7, 16, 8, 17],
 X[2, 10, 3, 9], X[8, 12, 9, 11], X[13, 21, 14, 20], X[15, 6, 16, 7],
 X[17, 1, 18, 24], X[19, 23, 20, 22], X[21, 15, 22, 14], X[23, 19, 24, 18]]

DrawMorseLink [K]

KnotTheory: MorseLink was added to KnotTheory` by Siddarth Sankaran at the University of Toronto in the summer of 2005. +

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