

<< **KnotTheory`**

Loading KnotTheory` version of April 3, 2014, 16:23:56.0784.
 Read more at <http://katlas.org/wiki/KnotTheory>.

GaussCode[Knot[3, 1]]

KnotTheory::loading: Loading precomputed data in PD4Knots`.

GaussCode[-1, 3, -2, 1, -3, 2]

GaussCode[Knot[13, Alternating, 1]]

KnotTheory::loading: Loading precomputed data in KnotTheory/13A.dts.

KnotTheory::credits:

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

GaussCode[1, -5, 2, -1, 3, -8, 4, -2, 5, -3, 6,
 -11, 7, -4, 8, -6, 9, -13, 10, -7, 11, -9, 12, -10, 13, -12]

GaussCode[Knot[16, NonAlternating, 101]]

KnotTheory::loading: Loading precomputed data in KnotTheory/16N.dts.

GaussCode[1, -5, 2, -1, 3, 8, -4, -2, 5, -3, 6, -10, 7, 4, -8, -6,
 -9, 12, 10, -7, -11, 15, -12, 9, -13, 16, -14, 11, -15, 14, -16, 13]

GaussCode[Knot[16, NonAlternating, #]] & /@ Range[10] // ColumnForm

GaussCode[1, -5, 2, -1, 3, 8, -4, -2, 5, -3, -6, 11, -7, 4, -8, 6, -9, 14, -10, 7, -11, 9,
 GaussCode[1, -5, 2, -1, 3, 8, -4, -2, 5, -3, -6, 11, -7, 4, -8, 6, -9, 14, -10, 7, -11, 9,
 GaussCode[1, -5, 2, -1, 3, 8, -4, -2, 5, -3, -6, 11, -7, 4, -8, 6, -9, -14, 10, 7, -11, 9,
 GaussCode[1, -5, 2, -1, 3, 8, -4, -2, 5, -3, -6, 11, -7, 4, -8, 6, -9, -14, 10, 7, -11, 9,
 GaussCode[1, -5, 2, -1, 3, 8, -4, -2, 5, -3, 6, -11, 7, 4, -8, -6, 9, 14, -10, -7, 11, -9,
 GaussCode[1, -5, 2, -1, 3, 8, -4, -2, 5, -3, 6, -11, 7, 4, -8, -6, 9, 14, -10, -7, 11, -9,
 GaussCode[1, -5, 2, -1, 3, 8, -4, -2, 5, -3, 6, -11, 7, 4, -8, -6, 9, -14, 10, -7, 11, -9,
 GaussCode[1, -5, 2, -1, 3, 8, -4, -2, 5, -3, 6, -11, 7, 4, -8, -6, 9, -14, 10, -7, 11, -9,
 GaussCode[1, -5, 2, -1, 3, -8, 4, -2, 5, -3, -6, 11, -7, -4, 8, 6, -9, 14, -10, 7, -11, 9,
 GaussCode[1, -5, 2, -1, 3, -8, 4, -2, 5, -3, -6, 11, -7, -4, 8, 6, -9, -14, 10, 7, -11, 9,
 GaussCode[1, -5, 2, -1, 3, -8, 4, -2, 5, -3, 6, 11, -7, -4, 8, -6, -9, 14, -10, 7, -11, 9,