

<< KnotTheory`

Loading KnotTheory` version of April 20, 2009, 14:18:34.482.

Read more at <http://katlas.org/wiki/KnotTheory>.

BR[Link["L2a1"]]

KnotTheory::loading: Loading precomputed data in PD4Links`.

KnotTheory::credits:

Vogel's algorithm was implemented by Dan Carney in the summer of 2005 at the University of Toronto.

BR[2, {-1, -1}]

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## The unknot with a kink

MultivariableAlexander [BR[2, {1}]] [t]

0

MultivariableAlexander [BR[2, {1, 1, -1}]] [t]

$$\frac{\sqrt{t[1]}}{-1 + t[1]}$$

MultivariableAlexander [BR[3, {1, 1, -1, 2}]] [t]

$$\frac{\sqrt{t[1]}}{-1 + t[1]}$$

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## The Hopf Link

MultivariableAlexander [BR[2, {1, 1}]] [t]

$$\frac{(-1 + t[1]) t[1]^{3/2}}{(-1 + t[2]) \sqrt{t[2]}}$$

MultivariableAlexander [BR[2, {-1, -1}]] [t]

$$-\frac{1}{t[1]}$$

MultivariableAlexander [BR[2, {1, 1, 1, -1}]] [t]

1

MultivariableAlexander [BR[2, {1, 1, 1, -1, 1, -1}]] [t]

1

MultivariableAlexander [BR[2, {-1, -1, 1, -1}]] [t]

-1