

Pensieve header: Bug report by Kiyohito Kuwahara - problems with ColouredJones.

<< **KnotTheory`**

Loading KnotTheory` version of August 22, 2010, 13:36:57.55.

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

$$q = E^{\frac{2\pi I}{9}}$$

$$e^{\frac{2i\pi}{9}}$$

**Abs [ColouredJones [Knot [3, 1], 8] [q]] // N**

KnotTheory::loading : Loading precomputed data in ColouredJones4Knots`.

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

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

KnotTheory::credits : The R-matrix engine was written by Siddarth Sankaran at the University of Toronto, in the summer of 2005.

27.3734

**j8 = ColouredJones [Knot [3, 1], 8] [Q]**

$$\frac{1}{Q^{116}} - \frac{1}{Q^{115}} - \frac{1}{Q^{114}} + \frac{1}{Q^{111}} + \frac{1}{Q^{109}} + \frac{1}{Q^{107}} - \frac{1}{Q^{106}} - \frac{1}{Q^{105}} - \frac{1}{Q^{104}} + \frac{1}{Q^{102}} - \frac{1}{Q^{101}} + \frac{1}{Q^{100}} + \frac{1}{Q^{98}} - \frac{1}{Q^{97}} -$$

$$\frac{1}{Q^{96}} - \frac{1}{Q^{95}} + \frac{1}{Q^{94}} + \frac{1}{Q^{93}} - \frac{1}{Q^{92}} + \frac{1}{Q^{91}} + \frac{1}{Q^{90}} + \frac{1}{Q^{89}} - \frac{1}{Q^{88}} - \frac{1}{Q^{87}} - \frac{1}{Q^{86}} + \frac{1}{Q^{85}} + \frac{1}{Q^{84}} - \frac{1}{Q^{83}} + \frac{1}{Q^{82}} + \frac{1}{Q^{80}} -$$

$$\frac{1}{Q^{79}} - \frac{1}{Q^{78}} - \frac{1}{Q^{77}} + \frac{1}{Q^{75}} - \frac{1}{Q^{74}} + \frac{1}{Q^{73}} + \frac{1}{Q^{71}} - \frac{1}{Q^{70}} - \frac{1}{Q^{69}} - \frac{1}{Q^{68}} + \frac{1}{Q^{66}} + \frac{1}{Q^{64}} + \frac{1}{Q^{62}} - \frac{1}{Q^{61}} - \frac{1}{Q^{60}} +$$

$$\frac{1}{Q^{57}} + \frac{1}{Q^{55}} + \frac{1}{Q^{53}} - \frac{1}{Q^{52}} - \frac{1}{Q^{51}} + \frac{1}{Q^{48}} + \frac{1}{Q^{44}} - \frac{1}{Q^{43}} - \frac{1}{Q^{42}} + \frac{1}{Q^{35}} - \frac{1}{Q^{34}} - \frac{1}{Q^{33}} + \frac{1}{Q^{26}} - \frac{1}{Q^{25}} + \frac{1}{Q^{17}} + \frac{1}{Q^8}$$

**Abs [j8 /. Q -> E^{\frac{2\pi I}{9}}] // N**

27.3734

**Abs [ColouredJones [Knot [3, 1], 8] [E^{\frac{2\pi I}{9}}]] // N**

27.3734