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.

Abs$\left[$ColouredJones$\left[$Knot$\left[3, 1\right], 8\right]\left[E^{\frac{2\pi I}{9}}\right]\right]$ // 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$\left[$Knot$\left[3, 1\right], 8\right]\left[q\right]$

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

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

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

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

Abs$\left[$j8 /. q → E$^{\frac{2\pi I}{9}}\right]$ // N

27.3734

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

27.3734