C2v T-J3 phase diagram at K = 0

(task107, L = 12, 5000 samples)

J3/J1  beta\_c by susceptibility peak

C2v-biaxial to D2h-biaxial transition (B-B\*)

0.00     infinite

0.05     8.2 +/- 1

0.10     3

0.15     1.8

0.20     1.55

0.25     1.41

0.30     1.32 (3-point)

D2h-biaxial to O(3) liquid transition (B\*-L)

0.00     1.45

0.05     1.43

0.10     1.42

0.20     1.40

0.25     1.36

0.30     1.32 (3-point)

C2v-biaxial to O(3) liquid transition (B-L)

0.30     1.32 (3-point)

0.35     1.25 +/- 0.01

0.40     1.18 +/- 0.01

0.45     1.10 +/- 0.01

0.50     1.04 +/- 0.01 (3-point)

C2v-biaxial to Cinfv-Uniaxial transition (B-U)

0.50     1.04 +/- 0.01 (3-point)

0.55     1.03  +/- 0.02

0.60     1.02 +/- 0.02

0.65     1.01 +/- 0.04

0.70     1.00 +/- 0.02

0.75     0.98

Cinfv-Uniaxial to O(3) liquid transition (U-L)

0.50     1.04 +/- 0.01 (3-point)

0.55     0.98

0.60     0.92

0.65     0.86

0.70     0.81

0.75     0.76