(task129, L = 10, 2000 samples; 14 May 2016 )

J3/J1      beta\_c by susceptibility peak

biaxial-biaxial\* (D3-D3h)

0.02     11 +/- 1

0.04     5.5 +/- 0.3

0.06     3.55 +/- 0.2

0.08     2.1 (3-point)

biaxial\*-liquid (D3h-O3)

0.00     2.2

0.04     2.1

0.08     2.1 (3-point)

biaxial-liquid (D3-O3)

0.08     2.1 (3-point)

0.12     2.08

0.16     2.02

0.20     1.96

0.30     1.80

(\*\*\* The following data are translated from D3\_J1 simulation\*\*\*)

biaxial-uniaxial transition (D3-Dinfh)

1/0.5     2.56\*0.5

1/0.7     1.92\*0.7

1/1.0     1.43

1/1.5     0.97\*1.5

1/1.7     0.90\*1.7

1/2.0     0.78\*2 (3-point)

uniaxial - liquid transition (Dinfh-O3)

1/0.5     1.54\*0.5

1/0.7     1.43\*0.7

1/1.0     1.16

1/1.5     0.91\*1.5

1/1.7     0.84\*1.7

1/2.0     0.76\*2  (3 point)

biaxial-liquid transition (D3-O3)

1/2.0     0.78\*2 (3-point)

1/3.0     0.58\*3

1/4.0     0.47\*4