

polynomial equations determining the bond percolation thresholds p_c under the homogeneity assumption (6) for $(n \times n) : (n \times n)$ subnet lattices in Table VI are as follows:

$$1 - 3p^2 - 6p^3 + 12p^4 - 6p^5 + p^6 = 0, \quad (n = 1), \quad (32)$$

$$1 - 3p^4 - 18p^5 - 39p^6 + 30p^7 + 273p^8 + 264p^9 - 1785p^{10} - 126p^{11} + 8232p^{12} - 162326p^{13} + 16359p^{14} - 9948p^{15} + 3708p^{16} - 786p^{17} + 73p^{18} = 0, \quad (n = 2), \quad (33)$$

$$\begin{aligned} 1 - & 3p^6 - 36p^7 - 186p^8 - 372p^9 + 447p^{10} + 3558p^{11} + 4711p^{12} - 5274p^{13} - 30771p^{14} \\ & - 110816p^{15} + 69828p^{16} + 1309302p^{17} - 242760p^{18} - 10117626p^{19} + 9190737p^{20} \\ & + 53446600p^{21} - 137597577p^{22} - 15101358p^{23} + 714425889p^{24} - 1897059306p^{25} \\ & + 2985201585p^{26} - 3337272356p^{27} + 2817156177p^{28} - 1840940730p^{29} \\ & + 938230487p^{30} - 371179194p^{31} + 112125462p^{32} - 25052124p^{33} + 3909120p^{34} \\ & - 380880p^{35} + 17464p^{36} = 0, \quad (n = 3) \end{aligned} \quad (34)$$

TABLE V: Critical properties of the Potts model on the $(4 \times 4) : (4 \times 4)$ kagome lattice. (H = Homogeneity Assumption, N = Numerical, T = Theoretical universality prediction.)

q	v_c (H)	v_c (N)	c (T)	c (N)	X_h (T)	X_h (N)
0.5	1.287715536704650	1.2877116(2)	-0.445833945	-0.4458340(1)	0.082757037	0.0827569(1)
1.0	1.669262339202358	1.6692593(3)	0	0	0.104166667	0.10417(1)
1.5	1.941284616762751	1.9412832(5)	0.288024142	0.288024(1)	0.116778423	0.11678(1)
2.0	2.160721132019555	2.160721132(1)	0.5	0.500000(1)	1/8	0.1250000(1)
2.5	2.348099505779181	2.3481001(2)	0.66584083	0.66585(1)	0.130338138	0.13034(1)
3.0	2.513467694176093	2.5134684(2)	4/5	0.800(1)	2/15	0.1333(1)
3.5	2.662592230189568	2.662594(3)	0.910294591	0.911(1)	0.133771753	0.134(1)
4.0	2.799129506399588	2.799132(5)	1	0.999(1)	1/8	0.13(1)