ERRATA

Erratum: Nonmonotonic behavior of a contact angle on approaching critical end points [Phys. Rev. A 46, 3369 (1992)]

J. Putz, Robert Hołyst, and M. Schick

PACS number(s): 68.10.Cr, 68.35.Rh, 64.70.Ja, 99.10.+g

Figures 2 and 3 are in error. The corrected results are shown in Fig. 1 below. The qualitative behavior of the contact is relatively unchanged with the exception that we find that it can no longer increase to 180°.

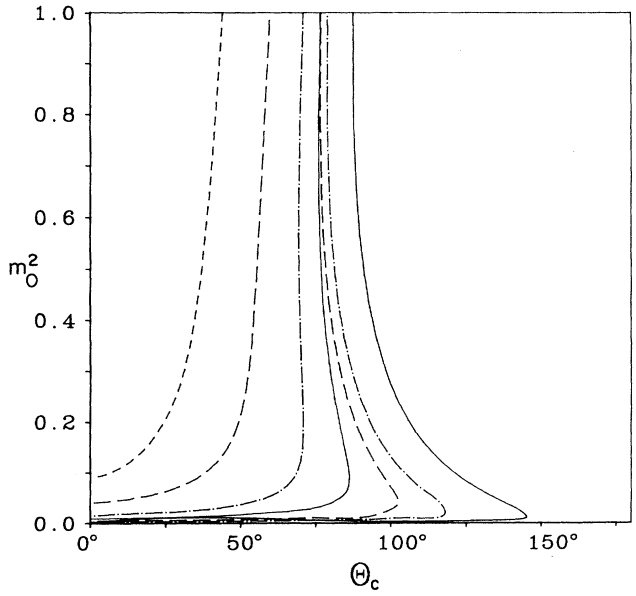

FIG. 1. Calculated behavior of the contact angle vs the square of the reduced order parameter m_0^2. The critical end point is at $m_0^2=0$. The spectator phase is characterized by $u=1.58$. The parameters (r,s) which characterize these systems are, from left to right, (0.2,0.0), (0.15,−0.237), (0.1,−0.395), (0.075,−0.474), (0.05,−0.474), (0.04,−0.505), (0.03,−0.617).

1063-651X/93/48(1)/635(1)/$06.00

Erratum: Self-consistent approach to the Kardar-Parisi-Zhang equation [Phys. Rev. E 47, 1455 (1993)]

J. P. Bouchaud and M. E. Cates

PACS number(s): 05.40.+j, 64.60.Ht, 05.70.Ln, 68.35.Fx, 99.10.+g

We have discovered an error in the numerical program which computed the integrals needed to obtain the exponents and prefactors for the KPZ equation. The correct results should read as follows:

For $d=1$, $z=\frac{3}{2}$, $A=3.74(\nu/\lambda)^2$ [instead of $4.69(\nu/\lambda)^2$], and $R=0.58$ (instead of 0.52).

For $d=2$, $z=1.67$ (instead of 1.74), $A=7.9(\nu/\lambda)^2$ [instead of $13.7(\nu/\lambda)^2$], and $R=0.84$ (instead of 0.81).

The "critical" dimension d^* beyond which no solution exists is pushed up from 2.85 to 3.75, much closer to the ex-

1063-651X/93/48(1)/635(2)/$06.00

pected lower bound $d_c \geq 4$. Hence we can give the results for $d=3$: $z=1.87$, $A=33.5(\nu/\lambda)^2$, and $R=0.93$.

The overall agreement between known results and the self-consistent method is thus better than initially claimed. (For example, the exact result is $R=0.69$ in $d=1$.)

The same error affects the reported values of z obtained within the Schwartz and Edwards approach. One finds the following:

For $d=1$, $z=\frac{3}{2}$ and $R=0.52$.

For $d=2$, $z=1.71$ and $R=0.81$.

The critical dimension is now $d^*=3.25$ (instead of 2.78) and for $d=3$ we obtain $z=1.94$ and $R=0.96$.