
ERRATA

Unbinding Transitions of Interacting Membranes.
REINHARD LIPOWSKY and STANISLAS LEIBLER [Phys. Rev. Lett. **56**, 2541 (1986)].

The quoted values for the phase boundaries of the critical unbinding transition as determined by a renormalization-group calculation contain an error. All quoted rigidity constants, κ , are too large by a factor $\frac{1}{9}\pi^4 \approx 10.8$. Thus, the values for κ which are given as $(1-20) \times 10^{-19}$ J and $(2-20) \times 10^{-19}$ J in the Letter should be replaced by $(0.09-1.85) \times 10^{-19}$ J and $(0.19-1.85) \times 10^{-19}$ J, respectively. This correction applies both to neutral and to charged membranes.

Wall-Induced Orientational Order of a Liquid Crystal in the Isotropic Phase—an Evanescent-Wave-Ellipsometry Study. H. HSIUNG, TH. RASING, and Y. R. SHEN [Phys. Rev. Lett. **57**, 3065 (1986)].

Two points in this Letter need clarification. First, we used incorrectly the term “complete wetting” to describe the pretransitional behavior of the wall-induced ordering observed in 4'-n-pentyl-4-cyanobiphenyl (5CB), although we did state clearly in the Letter that the critical temperature T_c for the divergence of the interfacial layer was 40 mK below the middle point T_{NI} of the isotropic-nematic coexistence range (or 90 mK below the upper edge T_{NI}^+ of the coexistence region.) The mistake came from the observation that T_c was within the coexistence range of ~ 100 mK in that experiment. Recently, we have repeated the measurement on a purer 5CB sample having a coexistence range of only ~ 30 mK, and found that T_c was now outside the coexistence range (although it was still ~ 90 mK below T_{NI}^+), and all the characteristics of the wall-induced pretransitional behavior satisfied the criterion of “partial wetting.”

Second, we used in the paper the term “coherence length ξ ” to describe the characteristic thickness of the interfacial layer. It is, in general, different from the bulk correlation length ξ_c .