

PHYSICAL REVIEW E **71**, 059902(E) (2005)**Erratum: Free expansion of elastic filaments**
[Phys. Rev. E 64, 061802 (2001)]

A. J. Spakowitz and Z.-G. Wang

(Received 13 February 2005; published 13 May 2005)

DOI: 10.1103/PhysRevE.71.059902 PACS number(s): 36.20.-r, 05.70.Ln, 31.70.Hq, 87.10.+e, 99.10.Cd

We determine that the self-propulsive motion of the chain exhibited in our simulations is due to numerical inaccuracies that occurred within improperly written code. After correcting our code and rerunning our simulations, we verify that the chain does not undergo self-propulsive motion during the expansion process for our model for the drag force. These corrected results are compared with the data presented in our paper; the corrected simulations result in figures that are indistinguishable from their published counterparts with the exception of Fig. 5 in our published paper, which showed the self-propulsion of the chain. Therefore, all other conclusions that are made in our paper are valid.

The authors thank Charles Wolgemuth for helpful discussions.