

David R. Nelson Publications 1973-June 2018

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2. Andrej Kosmrlj and David R. Nelson, "Statistical mechanics of thin spherical shells," *Physical Review X* **7**, 011002 (2017).
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5. Azadi, Amir, and David R. Nelson. "Statistical mechanics of specular reflections from fluctuating membranes and interfaces." *arXiv preprint arXiv:1708.08154* (2017).
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7. Bryan T. Weinstein, Maxim O. Lavrentovich, Wolfram Mobius, Andrew W. Murray, and David R. Nelson, "Genetic Drift and Selection in Many-Allele Range Expansion," *PLoS Comput Biol* **13**(12):e1005866 (2017).
8. Hidenori Tanaka, Howard A. Stone, and David R. Nelson, "Spatial Gene Drives and Pushed Genetic Waves," *PNAS* **114**, 8452-8454 (2017).
9. Thiparat Chotibut and David R. Nelson, "Population Genetics with Fluctuating Population Sizes," *J Stat Phys*, **167**, 777 (2017).
10. Mark Bowick, Andrej Kosmrlj, David R. Nelson, and Rastko Skepnek, "Non-Hookean Statistical Mechanics of Clamped Graphene Ribbons," *Phys. Rev. B* **95**, 104109 (2017).
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17. Guangnan Meng, Jayson Paulose, David R. Nelson, Vinothan N. Manoharan, "Elastic Instability of Crystal Growing on a Curved Surface," *Science* **343**, 634 (2014).
18. Andrej Kosmrlj and David R. Nelson, "Mechanical Properties of Warped Membranes," *Physical Review E* **88**, 012136 (2013).
19. Wolfram Moebius, Andrew W. Murray, David R. Nelson, "How Obstacles Perturb Population Fronts and Alter Their Genetic Structure," *PLOS Computational Biology*, **11**, e1004615 (2015).
20. Melanie J. I. Mueller, Beverly I. Neugeboren, David R. Nelson, and Andrew W. Murray, "Genetic Drift Opposes Mutualism During Spatial Population Expansion," *PNAS* **111**, 3, 1037 (2013).
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