

# Continuum Mechanics and Differential Geometry Projects

Resources for projects on continuum mechanics and  
differential geometry

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View Online



[1]

Antman, S.S. and SpringerLink (Online service) 2005. Nonlinear problems of elasticity. Springer.

[2]

Bosi, F. et al. 2015. Self-encapsulation, or the 'dripping' of an elastic rod. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Science. 471, 2179 (Jul. 2015). DOI:<https://doi.org/10.1098/rspa.2015.0195>.

[3]

Giusteri, G.G. et al. 2017. Solution of the Kirchhoff–Plateau Problem. Journal of Nonlinear Science. 27, 3 (Jun. 2017), 1043–1063. DOI:<https://doi.org/10.1007/s00332-017-9359-4>.

[4]

Schönke, J. and Fried, E. 2017. Stability of vertical magnetic chains. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Science. 473, 2198 (Feb. 2017). DOI:<https://doi.org/10.1098/rspa.2016.0703>.

[5]

Schönke, J. and Fried, E. 2017. Stability of vertical magnetic chains. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Science. 473, 2198 (Feb. 2017). DOI:<https://doi.org/10.1098/rspa.2016.0703>.

[6]

Yong, D. 2006. Strings, Chains, and Ropes. *SIAM Review*. 48, 4 (Jan. 2006), 771–781.  
DOI:<https://doi.org/10.1137/050641910>.