

Review of articles for FY2M class
J. Erhart

Scopus – **continuum, elasticity**

D.G., Pettifor: Computer-aided materials design: Bridging the gaps between physics, chemistry and engineering
(1997) *Physics Education*, 32 (3), pp. 164 – 168

J., Poonyawatpornkul, Jiraporn, B., Snguanrat, Banthita, P., Chaiworn, Panupat
A low-cost method for quantifying bouncing ball dynamics with smartphone video
(2024) *Physics Education*, 59 (6), art. no. 065020

F., Thompson, Frank
Torsion balance helps identify ferro-, dia- and paramagnetic materials
(2023) *Physics Education*, 58 (6), art. no. 063003

M., Pecháček, Matěj, L., Šlégrová, Leontýna, J., Šlégr, Jan, K., Voglová, Kateřina
Mechanical properties of hockey sticks: Practical introduction to elasticity
(2023) *Physics Education*, 58 (6), art. no. 065002

M.J., O'Shea, Michael J.
A climbers pendulum fall
(2023) *Physics Education*, 58 (1), art. no. 015025

A., Bhattacharya, Ahana, K.N., Chattopadhyay, K. N., C., ADHIKARY, CHANDAN
Bending of a beam: an improvised instructional tool for the determination of density of a liquid
(2023) *Physics Education*, 58 (1), art. no. 015018

H., Williams, Hollis
Measuring Young's modulus with a tensile tester
(2022) *Physics Education*, 57 (2), art. no. 025016

J.W., Nunn, John W.
Measuring Young's modulus the easy way, and tracing the effects of measurement uncertainties
(2015) *Physics Education*, 50 (5), pp. 538 - 547

M.J., Ruiz, Michael J.
Car hits boy on bicycle
(2005) *Physics Education*, 40 (6), pp. 556 - 561

T., Ficker, Tomáš
Young's modulus of elasticity in student laboratories
(1999) *Physics Education*, 34 (6), pp. 376 - 383

R.M.N., Alexander, Robert Mc Neill
Human elasticity
(1994) *Physics Education*, 29 (6), art. no. 004, pp. 358 - 362

- D.M., Livesley, D. M.
Physics and the real world - A non-ideal experiment in elasticity
(1986) *Physics Education*, 21 (5), art. no. 007, pp. 292 - 295
- M.L., Cooper, M. L.
Early contributions to the problems of elasticity
(1978) *Physics Education*, 13 (6), art. no. 008, pp. 384 - 387
- J.W., Warren, J. W.
Rubber elasticity [5]
(1977) *Physics Education*, 12 (1), art. no. 105, pp. 10
- C.J., Farrell, C. J.
Rubber elasticity
(1976) *Physics Education*, 11 (6), art. no. 104, pp. 390 - 391
- R.W., Whorlow, R. W.
Elasticity in physics and mathematics
(1973) *Physics Education*, 8 (5), art. no. 014, pp. 356 - 358
- C., Le Bot, Cédric, T., Biarez, Thomas, A., Jacob, Abigaël, S., Laforet, Sylvain, C.,
Melkebeke, Camille, M., Pouey, Mathilde, L., Sibille, Louis, G., Toucouillet, Guillaume
Teaching the Theory of Elasticity Through Para-Archery Applications
(2025) *Physics Teacher*, 63 (6), pp. 444 - 447
- A.L., Noxaic, Armand Le, K., Fadel, Kamil
How to Use the Archimedes Paradox for Educational Purposes
(2022) *Physics Teacher*, 60 (2), pp. 137 - 139
- B., Allen, Bradley
From the simple to the surprisingly complex-An incremental study of elasticity
(2019) *Physics Teacher*, 57 (8), pp. 570 - 571
- A.D., Korff, Austin D., A.J., Scott, Alan J.
World's Simplest Materials Lab
(2018) *Physics Teacher*, 56 (9), pp. 614 - 615
- N.R., Greene, Nathaniel R., T., Gill, Tom, S., Eyerly, Stephen
Finding the effective mass and spring constant of a force probe from simple harmonic motion
(2016) *Physics Teacher*, 54 (3), pp. 138 - 141
- S.A., Lee, Scott A.
Scaling in theropod dinosaurs: Femoral bone strength and locomotion
(2015) *Physics Teacher*, 53 (2), pp. 84 - 86
- S.A., Lee, Scott A.
Scaling in theropod dinosaurs: Femoral bone dimensions
(2014) *Physics Teacher*, 52 (5), pp. 304 - 306

J., Bennett, Jonathan, A.W., Mauney, Alex W.
The static ladder problem with two sources of friction
(2011) *Physics Teacher*, 49 (9), pp. 567

K.C., Maynes, K. C., M.G., Compton, M. G., B., Baker, Blane
Coefficient of restitution measurements for sport balls: An investigative approach
(2005) *Physics Teacher*, 43 (6), pp. 352 - 354

D.J., Smith, David J.
Flexural stress in windows during hurricanes
(2000) *Physics Teacher*, 38 (7), pp. 400 - 402

C.T., Tindle, Christopher T.
An intuitive approach to collisions
(1998) *Physics Teacher*, 36 (6), pp. 344 - 346