

Elastic analyses of heterogeneous hollow cylinders

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Exact analysis of two kinds of piezoelectric actuator. <i>Smart Materials and Structures</i> , 2008, 17, 015018.	3.5	3
2	A Pressurized Functionally Graded Hollow Cylinder with Arbitrarily Varying Material Properties. <i>Journal of Elasticity</i> , 2009, 96, 81-95.	1.9	73
3	A semi-analytical finite element model for the analysis of cylindrical shells made of functionally graded materials. <i>Composite Structures</i> , 2009, 91, 427-432.	5.8	61
4	Fracture analysis on the arc-shaped interfacial crack between a homogeneous cylinder and its coating. <i>European Journal of Mechanics, A/Solids</i> , 2010, 29, 794-800.	3.7	13
5	Analytical solutions of two kinds of piezoelectric actuators under shearing load. <i>Smart Materials and Structures</i> , 2010, 19, 115023.	3.5	5
6	Analysis of functionally graded thick truncated cone with finite length under hydrostatic internal pressure. <i>Archive of Applied Mechanics</i> , 2011, 81, 1063-1074.	2.2	13
7	Elastic solution of a two-dimensional functionally graded thick truncated cone with finite length under hydrostatic combined loads. <i>Acta Mechanica</i> , 2011, 217, 119-134.	2.1	30
8	Approximate Torsional Analysis of Multi-layered Tubes with Non-circular Cross-Sections. <i>Applied Composite Materials</i> , 2011, 18, 485-497.	2.5	7
9	Elastodynamic solution for plane-strain response of functionally graded thick hollow cylinders by analytical method. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2011, 32, 189-202.	3.6	5
10	Study on the Best Reinforcement Arrangement of Thick-Walled Cylinder. <i>Applied Mechanics and Materials</i> , 2011, 94-96, 2009-2014.	0.2	0
11	Distribution Parameter Optimization of an FGM Pressure Vessel. <i>Advanced Materials Research</i> , 0, 320, 404-409.	0.3	2
12	Dynamic Analysis of Heterogeneous Pressure Vessels Subjected to Thermomechanical Loads. <i>Journal of Pressure Vessel Technology, Transactions of the ASME</i> , 2012, 134, .	0.6	1
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15	Elastic analysis of exponentially graded piezoelectric cylindrical structures as sensors and actuators. <i>Journal of Mechanical Science and Technology</i> , 2012, 26, 4047-4053.	1.5	3
16	Two-dimensional modeling of heterogeneous structures using graded finite element and boundary element methods. <i>Meccanica</i> , 2013, 48, 663-680.	2.0	27
17	A locking-free discontinuous Galerkin method for linear elasticity in locally nearly incompressible heterogeneous media. <i>Applied Numerical Mathematics</i> , 2013, 63, 105-116.	2.1	22
18	COMPLETE ELASTIC SOLUTION OF PRESSURIZED THICK CYLINDRICAL SHELLS MADE OF HETEROGENEOUS FUNCTIONALLY GRADED MATERIALS. <i>Mechanika</i> , 2013, 18, .	0.5	3

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19	Efficient analytical solutions for heated and pressurized multi-layer cylinders. <i>Ocean Engineering</i> , 2014, 92, 285-295.	4.3	16
20	Development of a hollow cylinder test for the elastic modulus distribution and the ultimate strength of bamboo. <i>Construction and Building Materials</i> , 2014, 51, 235-243.	7.2	33
21	Stresses in heated pressurized multi-layer cylinders in generalized plane strain conditions. <i>International Journal of Pressure Vessels and Piping</i> , 2014, 120-121, 27-35.	2.6	19
22	Functionally graded hollow cylinders with arbitrary varying material properties under nonaxisymmetric loads. <i>Mechanics Research Communications</i> , 2014, 55, 1-9.	1.8	16
23	Elastic analysis of pressurized thick FGM cylinders with exponential variation of material properties using TSDT. <i>Latin American Journal of Solids and Structures</i> , 2015, 12, 1024-1041.	1.0	14
24	Closed Analytical Expressions for Stress Distributions in Two-Layer Cylinders and Their Application to Offshore Lined and Clad Pipes. <i>Journal of Offshore Mechanics and Arctic Engineering</i> , 2015, 137, .	1.2	9
25	Thermo-Elastic Analysis of Clamped-Clamped Thick FGM Cylinders by Using Third-Order Shear Deformation Theory. <i>Latin American Journal of Solids and Structures</i> , 2016, 13, 750-774.	1.0	9
26	A computational fluid-structure interaction model to predict the biomechanical properties of the artificial functionally graded aorta. <i>Bioscience Reports</i> , 2016, 36, .	2.4	4
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28	Exact solution for stresses/displacements in a multilayered hollow cylinder under thermo-mechanical loading. <i>International Journal of Pressure Vessels and Piping</i> , 2017, 151, 45-53.	2.6	19
29	Support performance of functionally graded concrete lining. <i>Construction and Building Materials</i> , 2017, 147, 35-47.	7.2	18
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31	A new model for the artificial aorta blood vessels using double-sided radial functionally graded biomaterials. <i>Medical and Biological Engineering and Computing</i> , 2017, 55, 859-871.	2.8	2
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36	10. Approximate solution of functionally graded thick cylinders. , 2018, , 156-164.		0

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38	Exact thermoelastic analysis of a thick cylindrical functionally graded material shell under unsteady heating using first order shear deformation theory. <i>Heat Transfer - Asian Research</i> , 2019, 48, 1737-1760.	2.8	11
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40	AN ALTERNATIVE TO PERIODIC HOMOGENIZATION FOR DENTIN ELASTIC STIFFNESS. <i>Journal of Mechanics in Medicine and Biology</i> , 2020, 20, 1950081.	0.7	2
41	A novel numerical solution for a functionally graded hollow cylinder with arbitrary elastic property along the radial direction. <i>International Journal of Pressure Vessels and Piping</i> , 2021, 191, 104301.	2.6	7
42	Optimization of Thick-Walled Viscoelastic Hollow Polymer Cylinders by Artificial Heterogeneity Creation: Theoretical Aspects. <i>Polymers</i> , 2021, 13, 2408.	4.5	3
43	Dynamic response of a functionally graded cylindrical tube with power-law varying properties due to SH-waves. <i>Waves in Random and Complex Media</i> , 0, , 1-19.	2.7	5
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48	Failure stress response of rotating multilayered fiber reinforced annular disk. <i>Mechanics Based Design of Structures and Machines</i> , 2023, 51, 5164-5178.	4.7	1
49	Displacements and stresses in pressurized thick FGM cylinders with exponentially varying properties based on FSDT. <i>Structural Engineering and Mechanics</i> , 2014, 51, 939-953.	1.0	1
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51	Research Progress of Functionally Graded Concrete Cylinder Structures. <i>Hans Journal of Civil Engineering</i> , 2022, 11, 336-345.	0.0	0
52	Mechanical Properties of Functionally Graded Concrete Lining for Deep Underground Structures. <i>Advances in Civil Engineering</i> , 2022, 2022, 1-21.	0.7	0
53	Finite Element Simulation of Multilayer Functionally Gradient Shaft Wall. <i>Hans Journal of Civil Engineering</i> , 2022, 11, 519-528.	0.0	0
54	Effects of geometry and loading on the elastic behavior of a single osteon via analytical structural mechanics approaches. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 0, , 095440622211038.	2.1	0
55	Review of thermoelastic, thermal properties and creep analysis of functionally graded cylindrical shell. <i>Australian Journal of Mechanical Engineering</i> , 0, , 1-12.	2.1	16

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59	Elasto-Plastic Solution for a Circular Lined Tunnel Considering Yield Criteria for Surrounding Rock and Functionally Graded Lining in Cold-Region Tunnels. Sustainability, 2023, 15, 11577.	3.2	0
60	Multilayer heterostructure inhomogeneous model for pressurized functionally graded annular structures (cylinder/sphere/annulus) with arbitrary elastic property along the radial direction. Composite Structures, 2023, 322, 117425.	5.8	3
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63	Elastic analysis of functionally graded porous cylinders under uniform internal pressure by using shear deformation theory. Mechanics of Advanced Materials and Structures, 0, , 1-20.	2.6	1
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