

Introduction to Perturbation Methods

Texts in Applied Mathematics

,

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Renormalization group methods in quantum optics. <i>Physical Review A</i> , 1997, 56, 1548-1552.	1.0	22
2	HYBRID ZONES WITH DOBZHANSKY-TYPE EPISTATIC SELECTION. <i>Evolution; International Journal of Organic Evolution</i> , 1997, 51, 1027-1035.	1.1	89
3	Asymptotic analysis of an epidemic model with primary and secondary infection. <i>Bulletin of Mathematical Biology</i> , 1997, 59, 1101-1123.	0.9	17
4	The Black Box Multigrid Numerical Homogenization Algorithm. <i>Journal of Computational Physics</i> , 1998, 142, 80-108.	1.9	63
5	Matrix-Dependent Multigrid Homogenization for Diffusion Problems. <i>SIAM Journal of Scientific Computing</i> , 1998, 20, 515-533.	1.3	51
6	NEUTRAL GENE FLOW ACROSS SINGLE LOCUS CLINES. <i>Evolution; International Journal of Organic Evolution</i> , 1998, 52, 1277-1284.	1.1	39
7	Identification of capacitor position in a radial system. <i>IEEE Transactions on Power Delivery</i> , 1999, 14, 1368-1373.	2.9	35
8	Thermoelastic stresses in a cylinder or disk with cubic anisotropy. <i>International Journal of Solids and Structures</i> , 1999, 36, 2109-2125.	1.3	7
9	Singularly perturbed difference equations. <i>Journal of Difference Equations and Applications</i> , 1999, 5, 97-110.	0.7	1
10	Dynamics of three-dimensional thin film rupture. <i>Physica D: Nonlinear Phenomena</i> , 2000, 147, 155-176.	1.3	80
11	Perturbation theory for the kink of the sine-Gordon equation. <i>Physical Review E</i> , 2000, 62, 8842-8845.	0.8	13
12	Rosby waveguides in high-latitude shear flows with boundaries. <i>Journal of Geophysical Research</i> , 2000, 105, 17063-17078.	3.3	9
13	An Alternative Example of the Method of Multiple Scales. <i>SIAM Review</i> , 2000, 42, 317-332.	4.2	5
14	On integrating vectors and multiple scales for singularly perturbed ordinary differential equations. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2001, 46, 19-43.	0.6	3
15	On the appropriate treatment of singularly perturbed wave equations. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 2001, 81, 623-624.	0.9	1
16	The Phase of a Quantum Mechanical Particle in Curved Spacetime. <i>General Relativity and Gravitation</i> , 2001, 33, 1459-1487.	0.7	32
17	The evolution of female mate choice by sexual conflict. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2001, 268, 531-539.	1.2	374
18	Memory Driven Instability in a Diffusion Process. <i>SIAM Journal on Mathematical Analysis</i> , 2002, 33, 1090-1106.	0.9	26

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19	Temporal evolution of the bright soliton in an optical fiber. <i>Europhysics Letters</i> , 2002, 58, 188-194.	0.7	1
20	Basal perturbations under ice streams: form drag and surface expression. <i>Journal of Glaciology</i> , 2002, 48, 407-416.	1.1	51
21	Analysis of a Non-linear Partial Difference Equation, and Its Application to Cardiac Dynamics. <i>Journal of Difference Equations and Applications</i> , 2002, 8, 1147-1169.	0.7	10
22	Upscaling: a review. <i>International Journal for Numerical Methods in Fluids</i> , 2002, 40, 63-78.	0.9	295
23	Propagation of small waves in inextensible strings. <i>Wave Motion</i> , 2002, 35, 339-353.	1.0	5
24	A GalÃ«rkin approach to electronic near-degeneracies in molecular systems. <i>Physica D: Nonlinear Phenomena</i> , 2002, 167, 218-247.	1.3	0
25	Pricing continuously sampled Asian options with perturbation method. <i>Journal of Futures Markets</i> , 2003, 23, 535-560.	0.9	53
26	FLUCTUATION SPECTRUM FROM A SCALAR-TENSOR BIMETRIC GRAVITY THEORY. <i>International Journal of Modern Physics D</i> , 2003, 12, 697-712.	0.9	7
27	Overdamped stress relaxation in buckled rods. <i>Physical Review E</i> , 2004, 70, 031802.	0.8	10
28	Tensorial character of magnetization diffusion in periodic lattices. <i>Physical Review B</i> , 2004, 70, .	1.1	0
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31	Bed topography and surges in ice streams. <i>Geophysical Research Letters</i> , 2004, 31, n/a-n/a.	1.5	13
32	Shock-like free-surface perturbations in low-surface-tension, viscous, thin-film flow exterior to a rotating cylinder. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2004, 460, 2975-2991.	1.0	21
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34	Spiral pattern in chlorite-iodide-malonic acid reaction: A theoretical and numerical study. <i>Journal of Chemical Physics</i> , 2005, 123, 174506.	1.2	15
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41	Asymptotic Analysis of a Perturbed Periodic Solution for the KdV Equation. Studies in Applied Mathematics, 2006, 116, 21-33.	1.1	1
42	Functional reduction and emergence in the physical sciences. SynthÃse, 2006, 151, 335-346.	0.6	20
43	On Parabolic Boundary Layers for ConvectionâDiffusion Equations in a Channel: Analysis and Numerical Applications. Journal of Scientific Computing, 2006, 28, 361-410.	1.1	18
44	Two-Term Asymptotic Approximation of a Cardiac Restitution Curve. SIAM Review, 2006, 48, 537-546.	4.2	8
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49	A recent survey on computational techniques for solving singularly perturbed boundary value problems. International Journal of Computer Mathematics, 2007, 84, 1439-1463.	1.0	36
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52	An Improved Fixed-Rate Mortgage Valuation Methodology with Interacting Prepayment and Default Options. Journal of Real Estate Finance and Economics, 2008, 36, 307-342.	0.8	31
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56	AN INTRODUCTION TO SINGULAR PERTURBATIONS. <i>Natural Resource Modelling</i> , 2000, 13, 181-217.	0.8	2
57	DIFFUSION AND BIFURCATION PROBLEMS IN SINGULARLY PERTURBED DOMAINS. <i>Natural Resource Modelling</i> , 2000, 13, 271-302.	0.8	6
58	ASYMPTOTIC METHODS: APPLICATION TO REDUCTION OF MODELS. <i>Natural Resource Modelling</i> , 2000, 13, 305-338.	0.8	4
59	Recipes for efficient higher-order multiscale asymptotic analysis. , 2008, , .		0
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69	An asymptotic homogenization model for smart 3D grid-reinforced composite structures with generally orthotropic constituents. <i>Smart Materials and Structures</i> , 2009, 18, 075006.	1.8	14
70	Investigation of the Damage-Dependent Response of Mooring Ropes. <i>Journal of Engineering Mechanics - ASCE</i> , 2009, 135, 1237-1247.	1.6	12
71	An asymptotic-numerical approach for examining global solutions to an ordinary differential equation. <i>Ergodic Theory and Dynamical Systems</i> , 2009, 29, 223-253.	0.4	0
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74	Uniformly valid polynomial representations for boundary-layer problems. <i>Journal of Engineering Mathematics</i> , 2009, 63, 339-354.	0.6	1
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93	Homogenization of Large-Scale Movement Models in Ecology. Bulletin of Mathematical Biology, 2011, 73, 2088-2108.	0.9	60
94	Diffusion of multiple species with excluded-volume effects. Journal of Chemical Physics, 2012, 137, 204116.	1.2	55
95	Kickback in nematic liquid crystals. Quarterly of Applied Mathematics, 2012, 70, 99-110.	0.5	1
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137	The effect of slow spatial processes on emerging spatiotemporal patterns. Chaos, 2015, 25, 036408.	1.0	4
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139	Investigation of the potential of asymptotic homogenization for elastic composites via a three-dimensional computational study. Computing and Visualization in Science, 2015, 17, 185-201.	1.2	40
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