A Selected Bibliography of Publications by, and about, Graeme W. Milton

Graeme W. Milton
University of Utah
Department of Mathematics, 310 JWB
155 S 1400 E RM 233
Salt Lake City, UT 84112-0090
USA
Tel: +1 801 581 6495
FAX: +1 801 581 4148
E-mail: milton@math.utah.edu
WWW URL: http://www.math.utah.edu/~milton/

04 June 2018
Version 2.01

Title word cross-reference


138 [FM87a].

2-dimensional [MBH17]. 2002 [MGDV03].

3 [MCE17, MCE18]. 3-dimensional [MBH17].

87k [FM87a].
abstract [Mil16e]. accelerated [VM08]. Accelerating [Mil16a]. acoustic [GMOS11, MS07, MS08b, GMOS13]. acoustics [GMO10, GMO11b, MSB08, MSB09]. Active [GMO09a, GMO09b, GOM10, GM101c, GMO11, GOM12, GM13]. actuators [Mil12b, Mil13c]. Adaptable [Mil12b, Mil13c]. Addendum [Mil15a, Mil13b]. adjoint [Mil16b]. algebra [Mil15b, Mil15d, Mil16]. algorithm [VM08]. almost [MHB16, MHB17]. among [MNBM09]. amplitude [Tar89]. analysis [ACK+11, ACK+12, ACK+13c, ACK+13d, ACK+14, GMO11c, GOM12]. Analytic [Mil16b, Mil16c]. Analytical [SMD86]. Analyticity [CWM15, CM16a]. anisotropic [FM09, KM86, MM95, Mil17b, Smy09]. Anomalous [ACK+13a, ACK+13b, ACK+11, ACK+12, ACK+13c, ACK+13d, ACK+14, MMO+14, MMO+16, MNMP05, MN06b, MNM+08a, MNM+08b, MMOT14, NMMB07, Mil185b]. anti [MS01]. anti-plane [MS01]. antiplane [MM15, MM98, VM05]. Antisymmetric [BM10c]. application [Gra09, Mil11, Mil12a]. applications [KMW12a, Nes98]. approach [CWM16, CM16b]. Approximating [Mil17b]. approximation [Mil85a, Mil85b]. approximations [BM10a, BM10b, Mil84b]. arbitrary [CM94]. Areas [Gra18, Mil16g, Sha17]. arising [Ber98]. array [MM87, NMM93]. arrays [MMM81]. Assemblages [Mil04b, BM03]. associated [MN06b, MNM+08a, MNM+08b, MW10a, MW10b, Mil16c]. association [Mil15b, Mil15d]. Asymptotic [MPM88]. authored [Gra18]. Average [MSM03, MMS03, BM10a, BM10b].

band [MM17a, MM17b, Mil03, Mil04a]. bands [MMM90]. bars [MM90a, BM10b, BM11a, MSM17]. behavior [LPP09, Mil07b, Mil07c]. between [HM14b, HM15a, HM17a, Mil94, MM95]. bimode [Mil12b, Mil13c]. binary [Ber09]. Bloch [MM09]. blow [MM17c]. bodies [BPZ16, BPZ+17, KM14a, KM14b, MSB08, MSB09, MN11, Mil11, MN12, Mil12a]. Body [KM13, KKM11, KM12, KKM12, MT13, TM13, TM14a, TM14b, TM15, Wil09]. Book [Gra18, Sha17]. Boundary [KM13, KKM11, KM12, KKM12, Mil11, Mil12a, Mil16j, MO17]. Bounding [MS00, KM86, Mil90a, Mil11, Mil12a]. Bounds [AM89a, AM89b, BM97, BM10d, BM11b, BM11c, CM16c, CM17, Che09, EML02, KM12, KKL+13, KM13, KKL+14, KMW14, MM15, MM16a, MM81, MM16b, Mil80, Mil81a, Mil81b, Mil81c, Mil82, MN11, MN12, MT13, Mil17c, SM00, TM13, TM15, VM04, BM10a, BM10b, BM85, CM95, FM87b, FM09, GM93, GMB99, KKM11, KKM12, KM14a, KM14b, Mil81d, MM82, MPT82, MK88, MB97, MN99, Mil11, Mil12a, Mil18, PTM82a, PTM82b, PTM83, MEM97]. brake [Ano16c]. breakdown [BPZ+16, BPZ+17]. brief [Mil90a]. brine [SMD86]. brine-saturated [SMD86]. Broadband [GMO09a, GMO09b, CM16c, CM17]. Bubbly [SMD86]. Bulk [AM89b, ACG+96, GM93].
Can [MS02, Mil17d]. Canonical [Mil16d]. cell [SM99]. certain [MM98]. Change [BMN04, BM09b]. characterization [ACG+96, GMO09e, GMO11a, HM15b, HM17b, Mil88, Mil12c, Mil13d, MHB16, MHB17]. characterizing [Mil90b]. checkerboards [Mil01]. Circuits [MS08a, MS10a, MS09, MS10b]. class [Mil04a, SM99]. classes [CLM92]. Classical [Mil88]. Classifying [BMN04, BM09b]. Classical [ACG+96, GMO09e, GMO11a, MM98, MM99]. Close [BMN04, BM09b]. close [Mil92]. closed [Mil92]. Close [Mini, Mini]. Closely [MM82]. Cloning [Mini, MINI]. CLM [Jas09]. Coarse [Mil92]. Coating [CCK+07a, CCK+07b]. Coating [GMO09a, GMO09c, MNBM09, MN06a, Mil03, Mil04a, MT13, Mil15d, TM13, TM15]. Coatings [Mil15b, Mil15d, Mil16l]. Columnar [BM10d]. combat [MNBM09]. comparison [MM82]. Complete [GMO09e, GMO11a, Mil97b, Mil12c, Mil13d, ACG+96, GM98a, MHB16, MCE17, MHB17, MCE18]. Complex [KKL+14, EML02, GM93, GMB99, KKL+13, Mil80, Mil81a, MM95, MB97, Mil03, Mil04a, MT13, Mil15d, TM13, TM15]. Complex [KM91a, Mil92, Mil04b, BM03, BM91, Jas09, MM90, Mil80, Mil81a, Mil81c, Mil81d, MSM17, NMM93]. Composites [AM13a, BM97, BM09a, BM10d, Graf8, Mil97a, Mil97b, Mil02, Mil16e, Mil16g, NMM06, Sha17, AM13b, AM98a, BM10a, BM10b, BM11a, BM88, Ber09, BM08, BM11b, BM11c, CWM16, CLM92, Che09, CM95, EM99, GLM93, GM98a, GMS00, Graf9, HM97, HM97a, HM11a, HM11b, KM14a, KM14b, KM86, MM15, MM16a, MMP02, Mil81b, Mil82, MMP02, Mil84a, MG85, Mil86a, Mil87a, Mil87b, Mil88, MK88, Mil90a, Mil90b, MG90, MS00, MN11, MN12, Mil16a, Mil17b, Nes98, NMM94, PTM82b, PTM83, SM91, Smy09, VM04, VM05, VM08]. Composites [Mil84b]. computing [EM99]. Concerning [Mil81d]. conditions [GMS00]. conducting [BIT13, BMT14, Che09, FM09, Graf9, MPM88, MS00, Mi16a]. continuation [FM87b, MG85, SM91]. Conductivity [AM13a, AM13b]. Conductivity [KKL+14, ACLM88, ACLM89, BMN04, CM94, FM94, KKL+13, KM86, MM82, Mil86b, Mil88, MG90, MS01, Mil01, MT13, Nes98, PTM82a, SK09, TM13, TM15]. Conference [MGDV03]. configurations [NM91]. Conjecture [ACK+09, KM08, ACK+10, Mil01, KM08]. Conjectures [Kan09, KM06a, KM06b, MK06]. connections [SK09]. conservation [MO17]. consistent [BM10a, BM10b]. consistent [Mil80, TM14a, TM14b]. constitutes [BM91]. constraint [BM85]. contacting [SK09]. continued [Mil87a, Mil87b]. Continuum [FM83, MW07, Mil07b, Mil07c]. Convergence [SM91]. convex [Mil16m]. convexity [Mil13a, Mil15a]. cooperation [MNBM09]. corrector [BMN04]. correlating [CM95]. Correlation [Mil84b, Mil84a]. correlations [AM89a]. correspondence [MM95]. correspondences [HM97]. corresponding [Mil84b, Mil84a].
could [Ano16c]. coupled [MM16b, MM16c]. creep [VM04, VM05]. Criteria [BPZ+16, BPZ+17]. crystals [MM09]. Current [BM15, BM14, MS00, MB14]. cylinder [MM87]. cylinders [MM87, MPM88, MMM81, NMM93].

D [GMO09b, KMW12a]. data [EML02]. defects [MM09]. deformations [Mil12c, Mil13d]. degenerate [MM17a, MM17b]. density [MS11]. dependent [Ber09, MS11]. deriving [MM82]. desymmetrization [Mil16f]. determinant [BMN04]. determination [TM14a, TM14b]. dielectric [BM11a, Mil80, MM95, NMM94, SMD86]. dilational [BKM12, BST+12, BST+15, Mil14, Mil15c]. Dimensional [KM13, KKL+14, ACLM88, BMN04, BMM08, BM09b, BM11b, BM11c, BKM+12, BST+14, BST+15, Che09, CM94, CM95, FM87b, GM98b, GMO10, GMO11b, GMO11c, GMO12, KKM11, KM12, KKM12, KKL+13, KM91b, MiI86b, MiI88, MM95, MN11, MN12, MiI14, Mil15c, MBH16, MiI17b, MBH17, NMMB07]. dimensions [ACK+13a, ACK+13b, FM09, GMB99, MB97]. Dirichlet [CWM15, CM16a]. Dirichlet-to-Neumann [CM16a, CWM15]. discontinuity [MF83]. discrete [NMMB07]. dispersion [MEM97]. dissipation [MMO+14, MMO+16, MMOT14]. dissipative [MW10a, MW10b]. divergence [MiI13a, MiI13b, MiI15a]. domain [MM15]. Duality [HMM97]. due [ACK+11, ACK+13c, ACK+13d, MNMP05, MMN+08a, MMN+08b]. dynamic [HMDB16b, HMDB16a]. dynamics [Wil09].

edited [Gra18, Sha17]. Effect [BM09a, BM08, BM008, BM009, Gra09, Mil17a, Mil88, MMS13a, MMS13b]. Effective [AM13a, AM13b, AM89b, BM97, BM10c, ACLM88, AM89a, BM03, BM01a, BM10b, BM11a, Che09, CM94, EML02, GM93, GMB99, GMS00, KM14a, KM14b, KM86, MM82, MPT82, MiI84b, MiI84a, MiI85a, MiI85b, MiI86b, MiI88, MK88, MiI90a, MiI90b, MB97, MS11, MBH16, MHB16, MiI17b, MBH17, MHB17, PNM82a, PNM82b, PNM83, SM09, Wil09]. effects [MN06b]. Elastic [ACK+09, ACK+10, BM03, BST+14, BST+15, HMM97, KM91b, MiI81b, MiI82, MPT82, MiI84b, MiI84a, MiI90a, MN11, MiI11, MN12, MiI12a, MHB16, MHB17, Smy09, SM99]. Elasticity [MiI07a, SK09, AM89a, CLM92, FM94, HM14b, HM15a, HM17a, KMW12a, MM95, MC95, MM98, MS01, MBW06, MS11, MHB16, MHB16, MHB17, MHB17]. Elasticity-conductivity [SK09]. elastodynamic [GMO09c, GMO11a, MS07, MS08b]. elastodynamics [GMO11a, MS07, MS08b]. electric [BM03, BIT13, BMT14, CM95, MiI10a, MiI10b]. Electrical [MGDV03, KKM11, KKM12, MiI87a, MiI87b, MS07, MS08b, MiI11, MiI12a, NM91]. Electromagnetic [MS02, MS08a, MS10a, MiI81b, MiI84b, MiI84a, MS09, MS10b, SM00]. Electromagnetism [MiI07a, MS08b, MS09]. Ellipsoid [MiI04b, BM03].
ellipsoidal [BM11a]. Engineering [BCS09]. enhance [PKM05a, PKM05b]. equalities [MO17]. equation [Mil91, Mil03, Mil16f, Mil16m]. equations [BM91, CWM15, CM16a, GMO09b, MM95, MBW06, Mil16d, Nes98]. Equivalence [KMW12a, CLM92]. Erratum [FM87a]. Eshelby [KM10, ACK+09, ACK+10, KM06a, KM06b, KKM08, Kan09, MK06]. estimates [KM91b]. ETOPIM [MGDV03]. evolution [LPP09]. Exact [BM91, BM92, GM98a, GMS00, Mil97b, Mil03, Mil04b, MO17, TM14a, TM14b, Wil09, BM03, Gra09, Jas09, MM81, Mil04a]. examples [HM14a, HM15c, Mil15c]. excited [Mil16k]. exotic [Mil85b]. expansion [Ber09]. expansions [MM16b]. Explicit [HM14a, HM15c]. Extending [Mil16b, Gra18, Sha17]. extension [Mil13a, Mil13b, Mil15a]. Extensions [Jas09]. Exterior [GMO09a, GMO09c, GMO10, GMO11b, GMO11c, GMO11d, GMO11e, GMO12, GMO13]. Extraction [MMM82]. Extremal [ACK+09, KM91a, ACK+10, GLM93, HM14a, HM14b, HM15c, HM15a, HM15b, HM17a, HM17b]. falls [Ano16c]. fast [EM99]. Faster [MS02]. FFT [Mil16a, VM08]. fiber [Gra09]. fiber-reinforced [Gra09]. Fiction [MN06a]. Field [BM10d, MM17a, MM17b, MM16d, MM17d, BM10a, BM10b, BM11b, BM11c, CWM16, CM16b, Mil91, MO17]. Fields [BM15, BIT13, BM14, BMT14, MM16b, MM16c, MB14]. finding [Mil16k, Mil18]. Fine [Nes98]. Finite [MEM97, KMW12a]. first [FM86, FM87a, Mil85b]. first-order [FM86, FM87a, Mil85b]. fixed [MSB08, MB09]. flow [SM91]. fluid [BM85, BM92]. fluids [MF83]. folded [ACK+13a, ACK+13b, MM17a]. formulas [Mil17a]. forces [Mil17d]. form [MBW06]. forms [HM14a, HM15c, HM15b, HM17b, Mil16d]. fraction [KMW12a, KMW14, Mil87a, Mil87b, MM11, MM12, Mil12a]. Fractions [KM13, KKM11, KM12, KKM12]. Frequency [Ber09, HCM16, HMC16, MEM97, MS07, MSB08, MS08b, MSB09, MS11]. function [CM94, GMO09c, GMO11a, Mil17b]. Functional [Mil16k]. functionals [CEM05]. functions [CM16c, CM17, Mil86b, MG90, Mil15b, Mil15d, Mil16b, Mil16m, MO17]. fundamental [CM16c, CM17]. Gassman [BM91]. general [Gra09]. generalization [MO17]. generalize [Mil13a, Mil13b, Mil15a]. generalized [BM10b, BM91]. generate [Mil86b]. geometries [MMN+08a, MMN+08b]. geometry [ACK+13a, ACK+13b, PKM05a, PKM05b, PKM06]. Giant [BM08, BM09a]. given [MS07, MS08b]. Graeme [Gra18, Sha17, Ano16a, BCS09]. Green [Mil16b, MO17]. grid [EM99]. group [SM00]. guaranteed [BPZ+16, BPZ+17]. guiding [MCE17, MCE18]. Hall [BM08, BMM08, BM09a, BM09b, BM10c, Gra09, Mil17a, Mil88]. Hall-effect [Mil88]. harmonic [CWM15, CM16a, MW10a, MW10b].
Hashin [BM10a, BM10b, MW10a, MW10b]. having [MS11, TM14a, TM14b]. held [MGDV03]. Helmholtz [GMO09b]. Herglotz [CM16c, CM17]. Hierarchical [Mil05, LM02]. High [HCM16, HMC16]. High-frequency [HMC16]. highly [MPM88, Smy09]. Holes [MSM03, MMS03]. homogenisation [GM98b]. Homogenization [BMM08, BM09b, BMN04, CEM05, HCM16, HMC16, LM02, Smy09, Tar89]. Honor [BCS09]. Hybrid [MS09, MS10b]. hydrostatic [VM04, VM05]. hyperbolic [MMS13a, MMS13b]. hyperelastic [LPP09]. ideal [HMDB16b, HMDB16a, Mil17d]. identities [Mil16d]. II [ACK+12, ACK+13d, ACK+14, BM10b, Mil85b, Mil87b, MB97]. III [GM98b]. implications [LPP09]. Inclusion [KKM08, KKL+14, KKL+13, MT13, Mil17c, TM13, TM14a, TM14b, TM15]. inclusions [BM11a, MS01]. independent [Mil97a]. inequalities [Mil13a, Mil13b, Mil15a]. inequality [ACLM88, ACLM89]. infinitely [MM17a, MM17b]. information [MMM82]. inherited [GM98b]. Inhomogeneous [MGDV03, BPZ+16, BPZ+17, KM14a, KM14b, MM81, MM16b, Mil79, MSB08, MSB09]. interactions [CEM05]. interchange [ACLM88, ACLM89]. International [MGDV03]. Interphase [AM13a, AM13b]. interpolating [EML02]. intersecting [MMM81]. Introduction [BCS09]. invariance [Jas09]. Invariant [CLM92, MBW06]. Inverse [MM90, KMW12a, Mil16i]. Isotropic [BM14, BM15, MB14, Ber98, CWM16]. Issue [BCS09]. iterative [MSM17].

July [MGDV03].

key [Mil16d]. keynote [Mil04b]. Kramers [MEM97]. Kronig [MEM97].

[Ano16c, KM91b, Mil80, Mil81a, Mil81c, NMM93]. Materials
[Ano16a, KM91a, MS02, Mil16b, Ano16b, BIT13, BMT14, BKM+12, EML02,
FM09, Jas09, KKM11, KM12, KKM12, Mil81d, MPT82, Mil92, MMS13a,
MMS13b, Mil14, Mil15c, Mil16c, MBH16, MCE17, MBH17, MCE18, MSM17,
PTM82a, SM00, SM99]. math [Ano16b]. Mathematical
[Ano16a, KM13, KM91a, MS02, Mil16b, Ano16b, BIT13, BMT14, BKM+12,
EML02, FM09, Jas09, KKM11, KM12, KKM12, Mil81d, MPT82, Mil92, MMS13a,
MMS13b, Mil14, Mil15c, Mil16c, MBH16, MCE17, MBH17, MCE18, MSM17,
PTM82a, SM00, SM99]. mathe[math]
[Ano16a, KM13, KM91a, MS02, Mil16b, Ano16b, BIT13, BMT14, BKM+12,
EML02, FM09, Jas09, KKM11, KM12, KKM12, Mil81d, MPT82, Mil92, MMS13a,
MMS13b, Mil14, Mil15c, Mil16c, MBH16, MCE17, MBH17, MCE18, MSM17,
PTM82a, SM00, SM99]. mathematicans [Ano16a]. mathematicians
[BM09, KM13, KM91a, MS02, Mil16b, Ano16b, BIT13, BMT14, BKM+12,
EML02, FM09, Jas09, KKM11, KM12, KKM12, Mil81d, MPT82, Mil92, MMS13a,
MMS13b, Mil14, Mil15c, Mil16c, MBH16, MCE17, MBH17, MCE18, MSM17,
PTM82a, SM00, SM99]. matrices [MS07, MS08b]. Matrix [BM10c, BM10a,
BM10b, BM91a, BM91b, BM92, FM87b, GM93, GM99, HCM16, HMC16,
MM81, MM90, Mil79, Mil86b, MM95, MB97, Mil04a]. Medium [BM97,
BM10a, BM10b, BM11a, Mil84b, Mil84a, Mil85a, Mil85b, MW10a, MW10b].
metamaterial [HMM11a, HMM11b, Mil17a, MS11]. metamaterials
[BST+14, BST+15, Mil07b, Mil07c, Mil10a, Mil10b, Mil12b, Mil12c, Mil13c,
Mil13d]. Method [KM13, KKL+14, CWM16, CM16b, KKM11, KM12,
KKM12, KKL+13, Mil90a, Mil90b, Mil91, Mil16f]. methods
[MM82, Mil16a, MSM17]. microgeometries [Mil84b, Mil84a]. Microgeometry
[BM88]. Microstructure [LPP09, Mil97a]. Microstructures [KM91a]. Milton
[BCS09, Ano16a, Gra18, Sha17]. Minimization [MSB08, MSB09]. minimized
[CCK+07b]. minimizing [MCE17, MCE18]. Minimum [MW10a, MW10b]. Mixing
[MS02]. mixtures [FM09, MBH16, MHB17]. model [SMD86]. Modeling
[CM94, Mil86a]. models [Mil85b]. modifications [MW07]. moduli
[ACG+96, EML02, GM93, GM99, KM14a, KM14b, KM91b, MPT82, MK88,
MB07, Mil03, Mil04a, PTM82b, PTM83]. Modulus
[AM89b, GM93, GM99, MB97, TM14a, TM14b]. Moment
[ACK+09, ACK+10]. MR0865235 [FM87a]. MR3078206 [Mil15a]. multi
[BM11a, MS08b]. multi-phase [BM11a]. multi-terminal [MS08b].
Multicomponent [Mil87a, Mil87b, Mil81d, MG90]. multimaterial [Che09].
Multiphase [BM10d, FM87b]. multiterminal [MS07]. myriad [Mil97a].

Near [MCE17, MCE18]. Necessary [GMS00]. need [Ano16c]. negative
[KM14a, KM14b]. negative-stiffness [KM14a, KM14b]. networks
[GM09e, GM01a, Mil87a, Mil87b, MS07, MS08b]. Neumann [ACK+11,
ACK+12, ACK+13c, ACK+13d, ACK+14, CWM15, CM16a, MSM17].
Neutral [MS01]. neutrality [MMM09]. Newton [MW07]. Newtonian
[Kan09]. no. [FM87a]. Non [CCK+07a, CEM05, Mil16h, VM08]. non-linear
[VM08]. Non-local [CEM05]. Non-Magnetic [CCK+07a].
non-self-adjoint [Mil16h]. nonlinear [MS00, Mil12b, Mil13c].
Nonmagnetic [CCK+07b]. Normalization [BM85]. notion
[Mil13a, Mil13b, Mil15a]. null [GM98b]. null-Lagrangian [GM98b].
Numerical [SM99, EM99, HMM97].

Object [MM16d, MM17d]. one [GM98b, KMW12b, KMW14]. ones [MM98].
Opaque [MMN06, MMN07]. operator [ACK+11, ACK+12, ACK+13c, ACK+13d, ACK+14]. operators [Mil16h, Mil18]. Optical [MDGV03, NMM94, Mil81c]. Optimal [AM95, FM87b, MN99, FM09, MCE17, MCE18]. Optimizing [Mil05, PKM05a, PKM05b, PKM06]. order [FM86, FM87a, Mil85b, PTM83]. oriented [BM11a]. orthotropic [HM14b, HM15a, HM17a]. Other [Gra18, Mil16g, Sha17, BM03, Mil81b]. overall [LPP09]. overview [SK09].

Pairs [KKM08, MSM03, MMS03, MM87, MN11, MN12]. Partial [NMMB06]. partially [NMM94]. particles [MBM09]. passive [CM16c, CM17].
Patterns [MM16d, MM17c, MM17a, MM17d]. PDE [MO17]. pentamodes [MCE17, MCE18]. perfect [MMN06, MMN07]. periodic [HCM16, HMC16, Mil03, Mil04a, Mil12c, Mil13d, Smy09]. permeability [BM85, Mil10a, Mil10b]. permittivity [Mil81a, Mil10a, Mil10b]. perspective [Mil16j, Mil17c]. perturbation [MM16b]. Phase [NMMB06, ACLM88, ACLM89, BPZ+16, BM11a, CM95, FM86, FM87a, GM93, GMBO99, KMW12b, KMW14, KM91b, Mil86b, MB97, MN11, Mil11, MN12, Mil12a, MHB16, MBH17, NMM93, PTM82a, PTM83, SM00]. phase-interchange [ACLM88, ACLM89]. phases [CWM16, KM14a, KM14b, Mil17b]. phenomena [MMO+14, MMO+16, MMOT14]. Phenomenon [Mil07a]. photonic [Mil04a]. Phys. [FM87a]. physical [MBW06, Mil18]. physics [Mil85b, Mil16d]. Piezoelectric [Mil04b, BM03]. pivots [Mil12b, Mil12c, Mil13c, Mil13d]. planar [ACG+96, HMM97, MM98]. plane [CLM92, MM95, MS01]. plasmonic [NBMB09]. Plate [MSM03, MMS03, KMW12a]. Platonic [MM99]. plus [GM98b]. Poincaré [ACK+11, ACK+12, ACK+13c, ACK+13d, ACK+14]. Poincaré-type [ACK+11, ACK+12, ACK+13c, ACK+13d, ACK+14]. point [AM89a].

Poisson [Mil92]. polarizabilities [Mil17c]. polarizable [NMMB07]. Pólya [KM06a, KM06b, KM08, Kan09, MK06]. polyconvex [HM14a, HM15c]. polycrystal [CM94]. Polycrystalline [NM91, FM87b]. Polycrystals [AM89b, ACLM88, ACLM89, ACG+96]. polynomials [HM14b, HM15a, HM17a]. Pontryagin [Mil05]. poroelasticity [Ber98]. porous [BM88, BM91, BM92]. possible [ACG+96, Mil86b, Mil90b, MBH16, MBH17, PTM82c]. potential [Kan09, Mil85a, Mil85b]. practice [MSM17]. Prager [BCS09]. prescribed [Mil10a, Mil10b]. pressure [MF83]. Principle [Mil05]. principles [MSB08, MSB09, MW10a, MW10b, Mil16m]. printed [MBH16, MCE17, MBH16, MCE18]. problem [Kan09, Mil16i, MCE17, MCE18]. problems [KMW12a, MM90, MM98, Mil16j]. Proceedings [MDGV03]. Progress
[ACK+09, ACK+10]. **Projection** [Mil16k]. **Proof** [Mil01, Mil86b, MNMP05]. proofs [FM09]. **Propagation** [Smy09]. **Properties** [MGDV03, Mil04b, Mil05, BM03, CLM92, Che09, CM95, GLM93, MM81, MMM82, MM87, Mil79, Mil81b, Mil81c, Mil81d, MMM81, Mil82, Mil84b, Mil84a, Mil86a, Nes98, NMM93, NMM94, SM99]. Property [KKM08, GM98b].

**quadratic** [HM14a, HM15c, HM15b, HM17b]. quasi [CM16c, Mil13a, Mil15a]. **quasi-convexity** [Mil13a, Mil15a]. **quasi-static** [CM16c]. **quasiconvex** [HM14a, HM15c, HM15b, HM17b]. quasiconvexity [Mil94, Mil13b]. Quasistatic [NMNB07, CM17, GMO11c, GMO12, MNMP05].

random [BM88]. randomly [BM11a]. range [MEM97]. Rank [GM98b].

rational [Mil15b, Mil15d]. ratios [Mil92]. real [MM95]. Reality [MN06a, Ano16c]. **Realizability** [BM15, BKM+12, Mil10a, Mil10b, BM14, MB14]. Realizable [ MSM03, MS07, MS08b, MMS03, BIT13, BMT14, Mil85a, Mil85b, Mil88, MC95]. recursion [CWM16, CM16b, Mil91]. refinement [EM99]. Reflection [CCK+07a]. regime [GMO11c, GMO12, MNMP05]. reinforced [Gra09]. reiterated [LM02]. relation [HM14b, HM15a, HM17a, SM91]. Relations [Mil97b, GM98a, GMS00, Gra09, HMM97, Jas09, Mil97a, MEM97, MO17, Wil09]. Representations [MG90]. resistivity [NM91]. resolution [HMM11a, HMM11b, PKM05a, PKM05b]. resonance [ACK+11, ACK+12, ACK+13a, ACK+13b, ACK+13c, ACK+13d, ACK+14, MNBM09, MON+14, MM0+16, MNMP05, MN06b, MNM+08a, MM+08b, MMOT14, NMNB07].

Resonances [NMNB06]. resonant [NM94]. respect [MM+14, MM+16, MMOT14]. response [EM99, GMO90c, GMO11a, MM15, MM16a, MM16b, MM16c, MS07, MS08b, Mil11, Mil12a, SMD86].

result [Jas09]. Results [Mil04b, BM03, BM91, BM92, HMM97]. Review [Gra18, Sha17, Jas09, Kan09, Mil09a]. rigid [Mil12b, Mil12c, Mil13c, Mil13d, MBH16, MBH17]. Rigorous [KM14a, KM14b, KM91b, CWM16, CM16b, GM93, GB99, MB97]. rocks [SMD86]. rope [Ano16c]. ropes [HMDB16b, HMDB16a]. rough [SK09]. route [Mil18].

Satisfying [KKM08]. saturated [BM92, SMD86]. scalar [Mil03]. scale [Smy09]. scattering [CCK+07b, Mil17c]. scheme [BM10a, BM10b, EM09, Mil85a, Mil85b]. **Schrödinger** [Mil16f, Mil16m]. Science [MN06a, Mil16g, BCS09, Gra18, Sha17]. searchlight [MMS13a, MMS13b]. second [MW07]. self [BM10a, BM10b, Mil16h]. self-adjoint [Mil16h]. self-consistent [BM10a, BM10b]. Semiconductor [Mil17a]. Sensitivity [MM+14, MM+16, MMOT14]. sequential [CM94]. series [MMS17]. set [MIS8, Mil90b, Mil17d]. Sets [FM94, Mil94]. several
shallow [KMW12b, KMW14]. Sharp
[KKM11, KKM13a, Mil13b, Mil15a]. shear
[ACG96, GMB99, MB97, TM14a, TM14b]. shell [KMW12b, KMW14].
Shtrikman [BM10a, BM10b, MW10a, MW10b]. sign [BMN04, BM09b].
Signals [MS02, SM00]. simulation [SM99]. Sixth [MGDV03]. Size
[KKL+14, KKL+13]. small [Tar89]. Snowbird [MGDV03]. Society
[BCS09]. Solution [Mil97b, GM98a, MCE17, MCE18]. Solutions
[KM06b, KM08, MK06, MNM+08a, MNM+08b, Nes98]. solving [Mil16f].
Some [Mil85b]. sources [GMO10, GMO11b]. spaced [MPM88]. Special
[BCS09]. Spectral
[ACK+11, ACK+12, ACK+13c, ACK+13d, ACK+14, HMM11a, HMM11b].
spectrum [Mil18]. square [MM87, NNM93]. stability [LPP09, MN99].
stable [FM94, Mil94]. states [Mil16k]. static [CM16c]. statistical [Mil85b].
stiffness [KM14a, KM14b]. Strain [MSM03, MMS03, MN11, MN12]. Strong
[ACK+09, BM10d, ACK+10, BM11b, BM11c]. structural [MM82].
structure [MM17a, MM17b, Mil03, Mil04a]. Structures
[ACK+09, ACK+10, LM02]. studies [MPM88, Mil79]. subspace
[Mil15b, Mil15d, Mil16l]. sufficient [GMS00]. super [HMM11a, HMM11b].
super-resolution [HMM11a, HMM11b]. Superfunctions [Mil15d, Mil16l].
superlens [PKM05b, PKM06, PKM05a]. superlenses [MNM05].
superlensing [MNM05]. support [Mil17a]. surfaces [SK09]. symmetry
[HMM14b, HM15a, HM17a]. synthesis [GMO09e, GMO11a]. systems
[MNB109, MM16b, MM16c, NMBB07]. Szego
[KM06a, KM06b, KM08, Kan09, MK06].
tension [Mil17d]. Tensor [ACK+09, ACK+10, AM89a, MS11, Mil17b].
tensors [FM94, GM98b, GMS00, HM14b, HM15a, HM17a, Mil88, Mil90a, Mil90b,
Mil94, MC95, Mil10a, Mil10b, MBH16, MHB16, Mil17b, MBH17, MB17].
terminal [MS08b]. their [Mill11, Mill12a, Mill15b, Mill15d]. theorem
[Mil13a, Mil13b, Mil15a]. Theoretical [Ano16c, Mil79]. Theories
[BM97, MM81]. Theory
[Gra18, Mil92, Mil96g, Sha17, ACK+11, ACK+12, ACK+13c, ACK+13d,
ACK+14, BM11a, Gra09, Mil84a, Mil16c, MSM17, Mil16k]. Thermal
[MG85, Ber09, CM95, PTM82a]. thermoelectric [VM08]. thermoelectric
[CEN05]. thermomechanics [BM92]. Thin
[AM13a, AM13b, Ber98, KMW12a]. Thin-Interphase [AM13a, AM13b].
third [PTM83]. third-order [PTM83]. Three
[KKM13, NMBB06, ACK+13a, ACK+13b, ACLM88, BMN04, BM09b, BM11b,
BM11c, BK+12, BST+14, BST+15, KM12, MB97, Mil14, Mil15c, NNM93].
Three-Dimensional [KKM13, ACLM88, BMN04, BM09b, BM11b, BM11c,
BK+12, BST+14, BST+15, Mil14, Mil15c]. Three-Phase
[NMBB06, NNM93]. time [CWM15, CM16a, MM15, MW10a, MW10b].
time-harmonic [CWM15, CM16a, MW10a, MW10b]. tool [MCE17, MCE18]. tools [Ano16b]. total [VM05]. touching [MM87]. Transformation [GMOS11, GMOS13, MBW06]. transient [MM16a].

translations [FM86, FM87a, Mil85b]. Translation [KM13, KKL+14, KKM11, KM12, KKM12, KKL+13, Mil90a, Mil90b]. Transport [BM10d, MM87, MMM81, MGDV03, NMM93, BM11b, BM11c, MM81, MMM82, MM90, Mil79, Mil81c, Mil81d, Mil82]. Transversely [Ber98]. Travel [MS02]. travelling [HCM16, HMC16]. trusses [Mil17d].

Two [KM13, KKL+14, AM89a, BPZ+16, BPZ+17, BM91, BM08, CWM16, Che09, CM94, CM95, FM87b, FM09, GM93, GMB99, GM98b, GMDV03, GMO10, GMO11b, GMO11c, GMO12, KKM11, KMW12b, KM12, KKM12, KKL+13, KM14, KM91b, Mil81a, Mil81b, Mil81c, Mil82, MM82, MPT82, Mil86b, Mil88, MM95, MB97, Mil11, Mil12a, Mil17b, NMMB07, Smy09, SM00].
two-component [CWM16, Mil81a, Mil81b, Mil81c, Mil82, MPT82].

Two-Dimensional [KKL+14, BM08, Che09, CM94, CM95, FM87b, GM98b, KKM11, KKM12, KKL+13, KM91b, Mil86b, Mil88, MM95, Mil17b, NMMB07]. two-phase [BPZ+16, BPZ+17, CM95, GM93, GMB99, KKM12, KMW14, KM91b, Mil86b, MB97, Mil11, Mil12a]. two-scale [Smy09]. type [ACK+11, ACK+12, ACK+13c, ACK+13d, ACK+14, MM17a, MM17b, MW10a, MW10b]. types [Mil87a, Mil87b].

Uniformity [KKM08]. unimode [Mil12c, Mil13d]. Universal [Mil11, Mil12a]. USA [MGDV03]. use [PTM82b]. Using [KKL+14, Mil05, ACK+13a, ACK+13b, CM94, EM99, KMW12b, KKL+13, KM14, Mil13c]. UT [MGDV03].

value [Mil16j]. variables [Mil15b, Mil15d]. Variational [BM97, MK88, Mil16m, BM85, Mil90b, MSB08, MSB09, MM10a, MW10b]. velocity [SM00]. via [MN99, Smy09]. vis [BM10a, BM10b]. vis-à-vis [BM10a, BM10b]. Viscoelastic [BM97, GLM93, Ber09, EML02, GM93, GMB99, MM15, MM16a, MB97, VM05]. Volume [KM13, KKM11, KMW12b, KM12, KKM12, KM14, MN11, Mil11, MN12, Mil12a, MT13, TM13, TM14a, TM14b, TM15].

W [Ano16a, BCS09, Gra18, Sha17]. wave [MM17a, MM17b, Mil03].

Wavelengths [NMMB06]. waves [HCM16, HMC16, MW10a, MW10b, Smy09]. weak [MCE17, MCE18, KM08].

webs [Mil17d]. Which [BIT13, BMT14, MC95, Mil13b]. while [MCE17, MCE18]. William [BCS09]. Winner [BCS09]. wire [Mil17d].

without [CCK+07a, MM17c].

zero [MS11].
References


REFERENCES

Ammari:2013:ALRa


Ammari:2013:ALRb


Ammari:2013:STN


Ammari:2013:STNII


Ammari:2014:STN

REFERENCES


Avellaneda:1988:ECP


Avellaneda:1989:CPP


Avellaneda:1989:BEE


Avellaneda:1989:OBE

REFERENCES

Alali:2013:ECT


Alali:2013:ECT


Anonymous:2016:GWM


Anonymous:2016:NMT


Anonymous:2016:TCR


Berryman:2009:ISI

REFERENCES


REFERENCES

Berryman:1991:ERG

Berryman:1992:ERL

Berryman:1997:VBE

Benveniste:2003:NER

Briane:2008:GHE

Briane:2009:GHE

[BM92] Berryman and Milton, 1992
[BM03] Benveniste and Milton, 2003
[BM08] Briane and Milton, 2008
[BM09a] Briane and Milton, 2009

REFERENCES

Briane:2009:HTD

Benveniste:2010:EMAAa

Benveniste:2010:EMAb

Briane:2010:AEH

Briane:2010:NBS
REFERENCES


Briane:2004:CSC

Briane:2014:WEF

Bardsley:2016:CGB

Bardsley:2017:CGB

Buckmann:2014:TDD

Buckmann:2015:TDD
Tiemo Bückmann, Robert Schittny, Michael Thiel, Muamer Kadic, Graeme W. Milton, and Martin Wegener. On three-dimensional dilational elastic metamaterials. *arXiv.org*, ??(??):??, October 11,
REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


[GMO09b] Fernando Guevara Vasquez, Graeme W. Milton, and Daniel Onofrei. Active exterior cloaking for the 2D Laplace and Helmholtz...

**GuevaraVasquez:2009:BECa**


**GuevaraVasquez:2009:BECb**


**GuevaraVasquez:2009:CCS**


**GuevaraVasquez:2010:ECA**


**GuevaraVasquez:2011:CCS**

REFERENCES

GuevaraVasquez:2011:ECA

GuevaraVasquez:2011:MAT

GuevaraVasquez:2012:MAT

GuevaraVasquez:2011:TEA

Vasquez:2013:SRP
REFERENCES

[28]

Grabovsky:2000:ERE


Grabo

vsky:2009:AGT


Grabovsky:2018:BRE


Harutyunyan:2016:HFHa


Harutyunyan:2014:EEE


Harutyunyan:2014:RBE

Davit Harutyunyan and Graeme Walter Milton. On the relation between extremal elasticity tensors with orthotropic symmetry...
and extremal polynomials.  


\[\text{Harutyunyan:2015:RBE}\]


\[\text{Harutyunyan:2015:TCA}\]


\[\text{Harutyunyan:2015:EEE}\]


\[\text{Harutyunyan:2017:RBE}\]


\[\text{Harutyunyan:2017:TCA}\]


\[\text{Harutyunyan:2016:HFHb}\]

REFERENCES

H Harutyunyan:2016:IDCb

H Harutyunyan:2016:IDCa

H Helsing:1997:DRC

H Helsing:2011:SSRa

H Helsing:2011:SSRb

J Jasiuk:2009:SIE
REFERENCES


Kang:2012:SBV


Kohn:1986:BEC


Milton:1991:EMC


Kublanov:1991:REE


Kang:2006:CPS

REFERENCES


Kang:2012:EIP


Kang:2012:BVF


Kang:2014:BVF


Lukkassen:2002:HSR


Lopez-Pamies:2009:MEH


Milton:1997:EVM

[MB97] Graeme W. Milton and James G. Berryman. On the effective viscoelastic moduli of two-phase media. II. Rigorous bounds on the


[MCE17] Graeme W. Milton and Mohamed Camar-Eddine. Near optimal pentamodes as a tool for guiding stress while minimizing compli-


[MGDV03] Graeme W. Milton, K. M. Golden, D. Dobson, and Z. V. Vardeny, editors. Proceedings of the Sixth International Conference on Elec-
REFERENCES


Milton:1981:BEE


Milton:1981:BTO


Milton:1981:CBT


Milton:1982:BET


Milton:1984:CEEb


Milton:1984:CEEa

[Mil84b] Graeme W. Milton. Correlation of the electromagnetic and elastic properties of composites and microgeometries corresponding with


REFERENCES


Milton:1991:FER


Milton:1992:CMP


Milton:1994:LBS


Milton:1997:CMM


Milton:1997:ERC

REFERENCES


REFERENCES


[Mil13c] Graeme Walter Milton. Adaptable nonlinear bimode metamaterials using rigid bars, pivots, and actuators. Journal of the Me-

Milton:2013:CCM


Milton:2013:CCM


Milton:2014:NET


Milton:2015:ASI


Milton:2015:ASC


Milton:2015:SAS

Milton:2016:AFM


Milton:2016:AMa


Milton:2016:AMb


Milton:2016:CFL


Milton:2016:CAA


Milton:2016:DMS

REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES

McPhedran:1982:ESI


McPhedran:2009:PCB


Meklachi:2014:SAL


Meklachi:2016:SAL


Milton:2014:SAL


Movchan:2003:RAS

SMJMAP. ISSN 0036-1399 (print), 1095-712X (electronic). URL

[MMS13a] Graeme W. Milton, Ross C. McPhedran, and Ari Sihvola. The
searchlight effect in hyperbolic materials. arXiv.org, ??(??):??,
February 25, 2013. CODEN ????? ISSN 2331-8422. URL https://
arxiv.org/abs/1302.5980.

[MMS13b] Graeme W. Milton, Ross C. McPhedran, and Ari Sihvola. The
searchlight effect in hyperbolic materials. Optics Express, 21
(12):14926–14942, June 17, 2013. CODEN OPEXFF. ISSN
1094-4087. URL http://www.osapublishing.org/abstract.cfm?
uri=oe-21-12-14926.

stability under lamination. Archive for Rational Mechanics and
ISSN 0003-9527 (print), 1432-0673 (electronic). URL http://
link.springer.com/article/10.1007/s002050050186.

[MN06a] Graeme W. Milton and N. A. P. Nicorovici. Cloaking: Science fic-
tion or reality? In Anonymous, editor, Photonic metamaterials: from
random to periodic, technical digest: June 5–8, 2006, Westin
Grand Bahama Island Our Lucaya Resort, Grand Island, the Ba-

[MN06b] Graeme W. Milton and Nicolae-Alexandru P. Nicorovici. On
the cloaking effects associated with anomalous localized res-
onance. Proceedings of the Royal Society A: Mathematical,
Physical, & Engineering Sciences, 462(2074):3027–3059, October
2006. CODEN PRLAAZ. ISSN 1364-5021 (print), 1471-2946
content/462/2074/3027.

volume fraction of 2-phase, 2-dimensional elastic bodies and on

Milton:2013:SEHa

Milton:2013:SEHb

Milton:1999:OCB

Milton:2006:CSF

Milton:2006:CEA

Milton:2011:BVF

Milton:2013:SEHa

Milton:2013:SEHb

Milton:1999:OCB

Milton:2006:CSF

Milton:2006:CEA

Milton:2011:BVF

Milton:2013:SEHa

Milton:2013:SEHb

Milton:1999:OCB

Milton:2006:CSF

Milton:2006:CEA

Milton:2011:BVF


REFERENCES


REFERENCES

Milton:2001:NCI


Milton:2002:CMM


Milton:2007:RRM


Milton:2008:EC


Milton:2008:RRM

REFERENCES

Milton:2009:HEC


Milton:2010:EC


Milton:2010:HEC


Milton:2011:MHF


Milton:2008:MVP


Milton:2009:MVP

REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


[VM05] V. Vinogradov and Graeme W. Milton. The total creep of viscoelastic composites under hydrostatic or antiplane loading. *Jour-
REFERENCES

Vinogradov:2008:AFA


Willis:2009:EER