

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

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## Title word cross-reference

-1 [Mil92]. 2 [GMO09b, KMW12a, MN11, MN12, MBH16]. 3 [MBH16].  $3 \times 3$   
[HM15b, HM17b].  $D$  [MCE17, MCE18].  $G$  [MN99, MCE17, MCE18].  $H$   
[Tar89].  $\mathbf{R}^3$  [BM15, MB14].  $N$  [PTM82a, PTM83].  $Q_C^*$  [Mil16m].  $R^3$  [BM14].

**-closure** [MN99, MCE17, MCE18]. **-convex** [Mil16m]. **-dimensional**  
[MN11, MN12, MBH16]. **-measures** [Tar89]. **-phase**  
[MN11, MN12, PTM82a, PTM83]. **-printed** [MCE17, MCE18].

**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, GMO10, GMO11b, GMO11c, GMOS11, GMO12, GMOS13]. **actuators** [Mil12b, Mil13c]. **Adaptable** [Mil12b, Mil13c]. **Addendum** [Mil15a, Mil13b]. **adjoint** [Mil16h]. **algebra** [Mil15b, Mil15d, Mil16l]. **algorithm** [VM08]. **almost** [MHB16, MHB17]. **among** [MNBM09]. **amplitude** [Tar89]. **analysis** [ACK<sup>+</sup>11, ACK<sup>+</sup>12, ACK<sup>+</sup>13c, ACK<sup>+</sup>13d, ACK<sup>+</sup>14, GMO11c, GMO12]. **Analytic** [Mil16b, Mil16c]. **Analytical** [SMD86]. **Analyticity** [CWM15, CM16a]. **anisotropic** [FM09, KM86, MK88, MM95, Mil17b, Smy09]. **Anomalous** [ACK<sup>+</sup>13a, ACK<sup>+</sup>13b, ACK<sup>+</sup>11, ACK<sup>+</sup>12, ACK<sup>+</sup>13c, ACK<sup>+</sup>13d, ACK<sup>+</sup>14, MMO<sup>+</sup>14, MMO<sup>+</sup>16, MNMP05, MN06b, MNM<sup>+</sup>08a, MNM<sup>+</sup>08b, MMOT14, NMMB07, Mil85b]. **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<sup>+</sup>08a, MNM<sup>+</sup>08b, MW10a, MW10b, Mil16e]. **association** [Mil15b, Mil15d]. **Asymptotic** [MPM88]. **authored** [Gra18]. **Average** [MSM03, MMS03, BM10a, BM10b].

**band** [MM17a, MM17b, Mil03, Mil04a]. **bands** [MMM09]. **bars** [Mil12b, Mil12c, Mil13c, Mil13d]. **based** [AM89a, BM10a, BM10b, BM11a, MSM17]. **behavior** [LPP09, Mil07b, Mil07c]. **between** [HM14b, HM15a, HM17a, Mil94, MM95]. **bimode** [Mil12b, Mil13c]. **binary** [Ber09]. **Bloch** [MMM09]. **blow** [MM17c]. **bodies** [BPZ<sup>+</sup>16, BPZ<sup>+</sup>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, KMW12b, KM12, KKL<sup>+</sup>13, KM13, KKL<sup>+</sup>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<sup>+</sup>16, BPZ<sup>+</sup>17]. **brief** [Mil90a]. **brine** [SMD86]. **brine-saturated** [SMD86]. **Broadband** [GMO09c, GMO09d, CM16c, CM17]. **Bubbly** [SM91]. **Bulk** [AM89b, ACG<sup>+</sup>96, GM93].

**Can** [MS02, Mil17d]. **Canonical** [Mil16d]. **cell** [SM99]. **certain** [MM98].  
**Change** [BMN04, BM09b]. **characterization** [ACG<sup>+</sup>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** [FM86, FM87a]. **climbing** [Ano16c, HMDB16b, HMDB16a]. **CLM** [Jas09].  
**Cloak** [CCK<sup>+</sup>07a, CCK<sup>+</sup>07b]. **Cloaking** [GMO09a, GMO09c, MNBM09, MN06a, Mil07a, ACK<sup>+</sup>11, ACK<sup>+</sup>13c, ACK<sup>+</sup>13d, ACK<sup>+</sup>14, CM16c, CM17, GMO09b, GMO09d, GMO10, GMO11b, GMO11c, GMOS11, GMO12, MN06b, MBW06, MNM<sup>+</sup>08a, MNM<sup>+</sup>08b, NMMB07, GMOS13]. **close** [Mil92]. **closely** [MPM88]. **closure** [CEM05, MN99, MCE17, MCE18].  
**coated** [MS01, NMM93]. **coefficient** [BM09b]. **coherent** [Mil85a, Mil85b].  
**collections** [Mil15b, Mil15d, Mil16l]. **Columnar** [BM10d]. **combat** [MNBM09]. **comparison** [MM82]. **Complete** [GMO09e, GMO11a, Mil97b, Mil12c, Mil13d, ACG<sup>+</sup>96, GM98a, MHB16, MCE17, MHB17, MCE18].  
**Complex** [KKL<sup>+</sup>14, EML02, GM93, GMB99, KKL<sup>+</sup>13, Mil80, Mil81a, MM95, MB97, Mil03, Mil04a, MT13, Mil15d, Mil17c, TM13, TM15].  
**compliance** [GM98b, MCE17, MCE18]. **component** [CWM16, Mil81a, Mil81b, Mil81c, Mil82, MPT82, Mil17b]. **Composite** [KM91a, Mil92, Mil04b, BM03, BM91, Jas09, MM90, Mil80, Mil81a, Mil81c, Mil81d, MSM17, NMM93]. **Composites** [AM13a, BM97, BM09a, BM10d, Gra18, Mil97a, Mil97b, Mil02, Mil16e, Mil16g, NMMB06, Sha17, AM13b, AM89a, BM10a, BM10b, BM11a, BM88, Ber09, BM08, BM11b, BM11c, CWM16, CLM92, Che09, CM95, EM99, GLM93, GM98a, GMS00, Gra09, HMM97, HMM11a, HMM11b, KM14a, KM14b, KM86, MM15, MM16a, MMM82, Mil81b, Mil82, MM82, Mil84a, MG85, Mil86a, Mil87a, Mil87b, Mil88, MK88, Mil90a, Mil90b, MG90, MS00, MN11, MN12, Mil16a, Mil17b, Nes98, NMM94, PTM82b, PTM83, SM91, Smy09, VM04, VM05, VM08].  
**composities** [Mil84b]. **computing** [EM99]. **Concerning** [Mil81d].  
**conditions** [GMS00]. **conducting** [BIT13, BMT14, Che09, FM09, Gra09, MPM88, MS00, Mil16a]. **conduction** [FM87b, MG85, SM91]. **Conductivities** [AM13a, AM13b]. **Conductivity** [KKL<sup>+</sup>14, ACLM88, ACLM89, BMN04, CM94, FM94, KKL<sup>+</sup>13, KM86, MM82, Mil86b, Mil88, MG90, MS01, Mil01, MT13, Nes98, PTM82a, SK09, TM13, TM15]. **Conference** [MGDV03]. **configurations** [NM91].  
**Conjecture** [ACK<sup>+</sup>09, KM08, ACK<sup>+</sup>10, Mil01, KM08]. **Conjectures** [Kan09, KM06a, KM06b, MK06]. **connections** [SK09]. **conservation** [MO17]. **consistent** [BM10a, BM10b]. **constant** [Mil80, TM14a, TM14b].  
**constituents** [BM91]. **constraint** [BM85]. **contacting** [SK09]. **continued** [Mil87a, Mil87b]. **Continuum** [MF83, MW07, Mil07b, Mil07c].  
**Convergence** [MSM17]. **convex** [Mil16m]. **convexity** [Mil13a, Mil15a].  
**cooperation** [MNBM09]. **corrector** [BMN04]. **correlating** [CM95].  
**Correlation** [Mil84b, Mil84a]. **correlations** [AM89a]. **correspondence** [MM95]. **correspondences** [HMM97]. **corresponding** [Mil84b, Mil84a].

**could** [Ano16c]. **coupled** [MM16b, MM16c]. **creep** [VM04, VM05]. **Criteria** [BPZ<sup>+</sup>16, BPZ<sup>+</sup>17]. **crystals** [MMM09]. **Current** [BM15, BM14, MS00, MB14]. **cylinder** [MM87]. **cylinders** [MM87, MPM88, MMM81, NMM93].

**D** [GMO09b, KMW12a]. **data** [EML02]. **defects** [MMM09]. **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** [BKM<sup>+</sup>12, BST<sup>+</sup>14, BST<sup>+</sup>15, Mil14, Mil15c]. **Dimensional** [KM13, KKL<sup>+</sup>14, ACLM88, BMN04, BMM08, BM09b, BM11b, BM11c, BKM<sup>+</sup>12, BST<sup>+</sup>14, BST<sup>+</sup>15, Che09, CM94, CM95, FM87b, GM98b, GMO10, GMO11b, GMO11c, GMO12, KKM11, KM12, KKM12, KKL<sup>+</sup>13, KM91b, Mil86b, Mil88, MM95, MN11, MN12, Mil14, Mil15c, MBH16, Mil17b, MBH17, NMMB07]. **dimensions** [ACK<sup>+</sup>13a, ACK<sup>+</sup>13b, FM09, GMB99, MB97]. **Dirichlet** [CWM15, CM16a]. **Dirichlet-to-Neumann** [CM16a, CWM15]. **discontinuity** [MF83]. **discrete** [NMMB07]. **dispersion** [MEM97]. **dissipation** [MMO<sup>+</sup>14, MMO<sup>+</sup>16, MMOT14]. **dissipative** [MW10a, MW10b]. **divergence** [Mil13a, Mil13b, Mil15a]. **domain** [MM15]. **Duality** [HMM97]. **due** [ACK<sup>+</sup>11, ACK<sup>+</sup>13c, ACK<sup>+</sup>13d, MNMP05, MNM<sup>+</sup>08a, MNM<sup>+</sup>08b]. **dynamic** [HMDB16b, HMDB16a]. **dynamics** [Wil09].

**edited** [Gra18, Sha17]. **Effect** [BM09a, BM08, BMM08, BM09b, Gra09, Mil17a, Mil88, MMS13a, MMS13b]. **Effective** [AM13a, AM13b, AM89b, BM97, BM10c, ACLM88, AM89a, BM03, BM10a, BM10b, BM11a, Che09, CM94, EML02, GM93, GMB99, GMS00, KM14a, KM14b, KM86, MM82, MPT82, Mil84b, Mil84a, Mil85a, Mil85b, Mil86b, Mil88, MK88, Mil90a, Mil90b, MB97, MS11, MBH16, MHB16, Mil17b, MBH17, MHB17, PTM82a, PTM82b, PTM83, SM99, Wil09]. **effects** [MN06b]. **Elastic** [ACK<sup>+</sup>09, ACK<sup>+</sup>10, BM03, BST<sup>+</sup>14, BST<sup>+</sup>15, HMM97, KM91b, Mil81b, Mil82, MPT82, Mil84b, Mil84a, Mil90a, MN11, Mil11, MN12, Mil12a, MHB16, MHB17, Smy09, SM99]. **Elasticity** [Mil07a, SK09, AM89a, CLM92, FM94, HM14b, HM15a, HM17a, KMW12a, MM95, MC95, MM98, MS01, MBW06, MS11, MBH16, MHB16, MBH17, MHB17]. **Elasticity-conductivity** [SK09]. **elastodynamic** [GMO09e, GMO11a, MS07, MS08b]. **elastodynamics** [GMOS11, MW07, Mil07b, Mil07c, MSB08, MSB09, GMOS13]. **electric** [BM03, BIT13, BMT14, CM95, Mil10a, Mil10b]. **Electrical** [MGDV03, KKM11, KKM12, Mil87a, Mil87b, MS07, MS08b, Mil11, Mil12a, NM91]. **Electromagnetic** [MS02, MS08a, MS10a, Mil81b, Mil84b, Mil84a, MS09, MS10b, SM00]. **Electromagnetism** [Mil07a, MSB08, MSB09]. **Ellipsoid** [Mil04b, 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** [KM08, ACK<sup>+</sup>09, ACK<sup>+</sup>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, Mil14, Mil15c]. **excited** [Mil16k]. **exotic** [Mil85b]. **expansion** [Ber09]. **expansions** [MM16b]. **Explicit** [HM14a, HM15c]. **Extending** [Mil16g, Gra18, Sha17]. **extension** [Mil13a, Mil13b, Mil15a]. **Extensions** [Jas09]. **Exterior** [GMO09a, GMO09c, GMO10, GMO11b, GMO09b, GMO09d, GMO11c, GMOS11, GMO12, GMOS13]. **Extraction** [MMM82]. **Extremal** [ACK<sup>+</sup>09, KM91a, ACK<sup>+</sup>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, MM17c, 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, MSB09]. **flow** [SM91]. **fluid** [BM85, BM92]. **fluids** [MF83]. **folded** [ACK<sup>+</sup>13a, ACK<sup>+</sup>13b, MNM<sup>+</sup>08a, MNM<sup>+</sup>08b]. **fools** [Mil17a]. **forces** [Mil17d]. **form** [MBW06]. **forms** [HM14a, HM15c, HM15b, HM17b, Mil16d]. **fraction** [KMW12b, KMW14, Mil87a, Mil87b, MN11, Mil11, MN12, Mil12a]. **Fractions** [KM13, KKM11, KM12, KKM12]. **Frequency** [Ber09, HCM16, HMC16, MEM97, MS07, MSB08, MS08b, MSB09, MS11]. **function** [CM94, GMO09e, GMO11a, Mil17b]. **Functional** [Mil16k]. **functionals** [CEM05]. **functions** [CM16c, CM17, Mil86b, MG90, Mil15b, Mil15d, Mil16h, Mil16m, MO17]. **fundamental** [CM16c, CM17].

**Gassman** [BM91]. **general** [Gra09]. **generalization** [MO17]. **generalize** [Mil13a, Mil13b, Mil15a]. **generalized** [BM10b, BM91]. **generate** [Mil86b]. **geometries** [MNM<sup>+</sup>08a, MNM<sup>+</sup>08b]. **geometry** [ACK<sup>+</sup>13a, ACK<sup>+</sup>13b, PKM05a, PKM05b, PKM06]. **Giant** [BM08, BM09a]. **given** [MS07, MS08b]. **Graeme** [Gra18, Sha17, Ano16a, BCS09]. **Green** [Mil16h, MO17]. **grid** [EM99]. **group** [SM00]. **guaranteed** [BPZ<sup>+</sup>16, BPZ<sup>+</sup>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<sup>+</sup>12, ACK<sup>+</sup>13d, ACK<sup>+</sup>14, BM10b, Mil85b, Mil87b, MB97]. **III** [GMB99]. **implications** [LPP09]. **Inclusion** [KKM08, KKL<sup>+</sup>14, KKL<sup>+</sup>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<sup>+</sup>16, BPZ<sup>+</sup>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].

**Lagrangian** [GM98b]. **laminated** [Wil09]. **Laminates** [Mil05, CM94, LPP09, Mil86b, Mil86a]. **lamination** [FM94, Mil94, MN99]. **Laplace** [GMO09b]. **law** [MW07]. **laws** [MO17]. **layers** [Ber98]. **lecture** [Mil04b]. **lenses** [MNM06, MNM07]. **limitations** [MNMP05]. **limits** [CM16c, CM17]. **linear** [BM92, MM16b, MW07, Mil16d, MO17, VM08]. **link** [Mil94]. **loading** [VM04, VM05]. **loadings** [MM15]. **local** [CEM05]. **localization** [Smy09]. **localized** [ACK<sup>+</sup>11, ACK<sup>+</sup>12, ACK<sup>+</sup>13a, ACK<sup>+</sup>13b, ACK<sup>+</sup>13c, ACK<sup>+</sup>13d, ACK<sup>+</sup>14, MMO<sup>+</sup>14, MMO<sup>+</sup>16, MNMP05, MN06b, MMOT14]. **Long** [NMMB06]. **lossy** [MSB08, MSB09, Mil17c].

**macroscopic** [LPP09, Mil07b, Mil07c, Mil12c, Mil13d]. **Magnetic** [CCK<sup>+</sup>07a, CM95, Mil10a, Mil10b]. **Magneto** [BM10d, BM11b, BM11c]. **Magneto-Transport** [BM10d, BM11b, BM11c]. **Make** [MS02, Ano16c]. **manipulating** [PKM05a, PKM05b]. **many** [Mil18]. **map** [CWM15, CM16a]. **Mapping** [MM98]. **mass** [MS11]. **material**

[Ano16c, KM91b, Mil80, Mil81a, Mil81c, NMM93]. **Materials** [KM13, KM91a, MS02, Mil16b, Ano16b, BIT13, BMT14, BKM<sup>+</sup>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** [GMO11c, GMO12, MM16d, MM17d]. **mathematicians** [Ano16c]. **matrices** [MS07, MS08b]. **Matrix** [BM10c, BM10a, BM10b, BM11a]. **matrix-based** [BM10a, BM10b, BM11a]. **maximize** [NM91]. **Maximum** [Mil05]. **Maxwell** [CWM15, CM16a]. **measured** [EML02, MMM82]. **measurement** [KMW12b, KMW14, MT13, TM13, TM15]. **Measurements** [KM13, KKM11, KM12, KMW12a, KKM12, Mil11, Mil12a]. **measures** [Tar89]. **mechanical** [Mil81d]. **mechanics** [Jas09]. **Medal** [BCS09]. **Media** [MGDV03, BM88, BM91, BM92, FM87b, GM93, GMB99, 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<sup>+</sup>14, BST<sup>+</sup>15, Mil07b, Mil07c, Mil10a, Mil10b, Mil12b, Mil12c, Mil13c, Mil13d]. **Method** [KM13, KKL<sup>+</sup>14, CWM16, CM16b, KKM11, KM12, KKM12, KKL<sup>+</sup>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<sup>+</sup>07b]. **minimizing** [MCE17, MCE18]. **Minimum** [MW10a, MW10b]. **Mixing** [MS02]. **mixtures** [FM09, MHB16, MHB17]. **model** [SMD86]. **Modeling** [CM94, Mil86a]. **models** [Mil85b]. **modifications** [MW07]. **moduli** [ACG<sup>+</sup>96, EML02, GM93, GMB99, KM14a, KM14b, KM91b, MPT82, MK88, MB97, Mil03, Mil04a, PTM82b, PTM83]. **Modulus** [AM89b, GM93, GMB99, MB97, TM14a, TM14b]. **Moment** [ACK<sup>+</sup>09, ACK<sup>+</sup>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** [GMO09e, GMO11a, Mil87a, Mil87b, MS07, MS08b]. **Neumann** [ACK<sup>+</sup>11, ACK<sup>+</sup>12, ACK<sup>+</sup>13c, ACK<sup>+</sup>13d, ACK<sup>+</sup>14, CWM15, CM16a, MSM17]. **Neutral** [MS01]. **neutrality** [MMM09]. **Newton** [MW07]. **Newtonian** [Kan09]. **no**. [FM87a]. **Non** [CCK<sup>+</sup>07a, CEM05, Mil16h, VM08]. **non-linear** [VM08]. **Non-local** [CEM05]. **Non-Magnetic** [CCK<sup>+</sup>07a]. **non-self-adjoint** [Mil16h]. **nonlinear** [MS00, Mil12b, Mil13c]. **Nonmagnetic** [CCK<sup>+</sup>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** [MNM06, MNM07]. **operator**  
 [ACK<sup>+</sup>11, ACK<sup>+</sup>12, ACK<sup>+</sup>13c, ACK<sup>+</sup>13d, ACK<sup>+</sup>14]. **operators**  
 [Mil16h, Mil18]. **Optical** [MGDV03, NMM94, Mil81c]. **Optimal**  
 [AM89b, CM95, 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** [MNBM09]. **passive** [CM16c, CM17].  
**Patterns** [MM16d, MM17c, MM17a, MM17b, MM17d]. **PDE** [MO17].  
**pentamodes** [MCE17, MCE18]. **perfect** [MNM06, MNM07]. **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<sup>+</sup>16, BPZ<sup>+</sup>17, BM11a, CM95, FM86,  
 FM87a, GM93, GMB99, KMW12b, KMW14, KM91b, Mil86b, MB97, MN11,  
 Mil11, MN12, Mil12a, MHB16, MHB17, NMM93, PTM82a, PTM83, SM00].  
**phase-interchange** [ACLM88, ACLM89]. **phases**  
 [CWM16, KM14a, KM14b, Mil17b]. **phenomena**  
 [MMO<sup>+</sup>14, MMO<sup>+</sup>16, MMOT14]. **Phenomenon** [Mil07a]. **photonic**  
 [Mil04a]. **Phys.** [FM87a]. **physical** [MBW06, Mil18]. **physics**  
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 [Mil12b, Mil12c, Mil13c, Mil13d]. **planar** [ACG<sup>+</sup>96, HMM97, MM98]. **plane**  
 [CLM92, MM95, MS01]. **plasmonic** [MNBM09]. **Plate**  
 [MSM03, MMS03, KMW12a]. **Platonic** [MMM09]. **plus** [GM98b]. **Poincaré**  
 [ACK<sup>+</sup>11, ACK<sup>+</sup>12, ACK<sup>+</sup>13c, ACK<sup>+</sup>13d, ACK<sup>+</sup>14]. **Poincaré-type**  
 [ACK<sup>+</sup>11, ACK<sup>+</sup>12, ACK<sup>+</sup>13c, ACK<sup>+</sup>13d, ACK<sup>+</sup>14]. **point** [AM89a].  
**Poisson** [Mil92]. **polarizabilities** [Mil17c]. **polarizable** [NMMB07]. **Pólya**  
 [KM06a, KM06b, KM08, Kan09, MK06]. **polyconvex** [HM14a, HM15c].  
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**porous** [BM88, BM91, BM92]. **possible**  
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 [Kan09, Mil85a, Mil85b]. **practice** [MSM17]. **Prager** [BCS09]. **prescribed**  
 [Mil10a, Mil10b]. **pressure** [MF83]. **Principle** [Mil05]. **principles**  
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 [MBH16, MCE17, MBH17, MCE18]. **problem**  
 [Kan09, Mil16i, MCE17, MCE18]. **problems**  
 [KMW12a, MM90, MM98, Mil16j]. **Proceedings** [MGDV03]. **Progress**



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**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** [NMMB07, 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<sup>+</sup>12, Mil10a, Mil10b, BM14, MB14]. **Realizable** [MSM03, MS07, MS08b, MMS03, BIT13, BMT14, Mil85a, Mil85b, Mil88, MC95]. **recursion** [CWM16, CM16b, Mil91]. **refinement** [EM99]. **Reflection** [CCK<sup>+</sup>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<sup>+</sup>11, ACK<sup>+</sup>12, ACK<sup>+</sup>13a, ACK<sup>+</sup>13b, ACK<sup>+</sup>13c, ACK<sup>+</sup>13d, ACK<sup>+</sup>14, MNBM09, MMO<sup>+</sup>14, MMO<sup>+</sup>16, MNMP05, MN06b, MNM<sup>+</sup>08a, MNM<sup>+</sup>08b, MMOT14, NMMB07]. **Resonances** [NMMB06]. **resonant** [NMM94]. **respect** [MMO<sup>+</sup>14, MMO<sup>+</sup>16, MMOT14]. **response** [EM99, GMO09e, GMO11a, MM15, MM16a, MM16b, MM16c, MS07, MS08b, Mil11, Mil12a, SMD86]. **result** [Jas09]. **Results** [Mil04b, BM03, BM91, BM92, HMM97]. **Review** [Gra18, Sha17, Jas09, Kan09, Mil90a]. **rigid** [Mil12b, Mil12c, Mil13c, Mil13d, MHB16, MHB17]. **Rigorous** [KM14a, KM14b, KM91b, CWM16, CM16b, GM93, GMB99, MB97]. **rocks** [SMD86]. **rope** [Ano16c]. **ropes** [HMDB16b, HMDB16a]. **rough** [SK09]. **route** [Mil18].

**Satisfying** [KKM08]. **saturated** [BM92, SMD86]. **scalar** [Mil03]. **scale** [Smy09]. **scattering** [CCK<sup>+</sup>07b, Mil17c]. **scheme** [BM10a, BM10b, EM99, 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** [MMO<sup>+</sup>14, MMO<sup>+</sup>16, MMOT14]. **sequential** [CM94]. **series** [MSM17]. **set** [Mil88, Mil90b, Mil17d]. **Sets** [FM94, Mil94]. **several**

[Mil15b, Mil15d]. **shallow** [KMW12b, KMW14]. **Sharp** [KKM11, KKM12, Mil13a, Mil13b, Mil15a]. **shear** [ACG<sup>+</sup>96, GMB99, MB97, TM14a, TM14b]. **shell** [KMW12b, KMW14]. **Shtrikman** [BM10a, BM10b, MW10a, MW10b]. **sign** [BMN04, BM09b]. **Signals** [MS02, SM00]. **simulation** [SM99]. **Sixth** [MGDV03]. **Size** [KKL<sup>+</sup>14, KKL<sup>+</sup>13]. **small** [Tar89]. **Snowbird** [MGDV03]. **Society** [BCS09]. **Solution** [Mil97b, GM98a, MCE17, MCE18]. **Solutions** [KM06b, KM08, MK06, MNM<sup>+</sup>08a, MNM<sup>+</sup>08b, Nes98]. **solving** [Mil16f]. **Some** [Mil85b]. **sources** [GMO10, GMO11b]. **spaced** [MPM88]. **Special** [BCS09]. **Spectral** [ACK<sup>+</sup>11, ACK<sup>+</sup>12, ACK<sup>+</sup>13c, ACK<sup>+</sup>13d, ACK<sup>+</sup>14, HMM11a, HMM11b]. **spectrum** [Mil18]. **square** [MM87, NMM93]. **stability** [LPP09, MN99]. **stable** [FM94, Mil94]. **states** [Mil16k]. **static** [CM16c]. **statistical** [Mil85b]. **stiffness** [KM14a, KM14b]. **Strain** [MSM03, MMS03, MN11, MN12]. **Stress** [Jas09, MSM03, MMS03, CLM92, MN11, MN12, MCE17, MCE18]. **Strong** [ACK<sup>+</sup>09, BM10d, ACK<sup>+</sup>10, BM11b, BM11c]. **structural** [MMM82]. **structure** [MM17a, MM17b, Mil03, Mil04a]. **Structures** [ACK<sup>+</sup>09, ACK<sup>+</sup>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** [MNMP05]. **superlensing** [MNMP05]. **support** [Mil17d]. **surfaces** [SK09]. **symmetry** [HM14b, HM15a, HM17a]. **synthesis** [GMO09e, GMO11a]. **systems** [MNBM09, MM16b, MM16c, NMMB07]. **Szego** [KM06a, KM06b, KM08, Kan09, MK06].

**tension** [Mil17d]. **Tensor** [ACK<sup>+</sup>09, ACK<sup>+</sup>10, AM89a, MS11, Mil17b]. **tensors** [FM94, GM98b, GMS00, HM14b, HM15a, HM17a, Mil88, Mil90a, Mil90b, Mil94, MC95, Mil10a, Mil10b, MBH16, MHB16, Mil17b, MBH17, MHB17]. **terminal** [MS08b]. **their** [Mil11, Mil12a, Mil15b, Mil15d]. **theorem** [Mil13a, Mil13b, Mil15a]. **Theoretical** [Ano16c, Mil79]. **Theories** [BM97, MM81]. **Theory** [Gra18, Mil02, Mil16g, Sha17, ACK<sup>+</sup>11, ACK<sup>+</sup>12, ACK<sup>+</sup>13c, ACK<sup>+</sup>13d, ACK<sup>+</sup>14, BM11a, Gra09, Mil84a, Mil16e, MSM17, Mil16k]. **Thermal** [MG85, Ber09, CM95, PTM82a]. **thermoelastic** [VM08]. **thermoelectric** [CEM05]. **thermomechanics** [BM92]. **Thin** [AM13a, AM13b, Ber98, KMW12a]. **Thin-Interphase** [AM13a, AM13b]. **third** [PTM83]. **third-order** [PTM83]. **Three** [KM13, NMMB06, ACK<sup>+</sup>13a, ACK<sup>+</sup>13b, ACLM88, BMN04, BM09b, BM11b, BM11c, BKM<sup>+</sup>12, BST<sup>+</sup>14, BST<sup>+</sup>15, KM12, MB97, Mil14, Mil15c, NMM93]. **Three-Dimensional** [KM13, ACLM88, BMN04, BM09b, BM11b, BM11c, BKM<sup>+</sup>12, BST<sup>+</sup>14, BST<sup>+</sup>15, Mil14, Mil15c]. **Three-Phase** [NMMB06, NMM93]. **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]. **transitions** [FM86, FM87a, Mil85b]. **Translation** [KM13, KKL<sup>+</sup>14, KKM11, KM12, KKM12, KKL<sup>+</sup>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<sup>+</sup>14, AM89a, BPZ<sup>+</sup>16, BPZ<sup>+</sup>17, BM91, BMM08, CWM16, Che09, CM94, CM95, FM87b, FM09, GM93, GMB99, GM98b, GMO10, GMO11b, GMO11c, GMO12, KKM11, KMW12b, KM12, KKM12, KKL<sup>+</sup>13, KMW14, 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<sup>+</sup>14, BMM08, Che09, CM94, CM95, FM87b, GM98b, KKM11, KKM12, KKL<sup>+</sup>13, KM91b, Mil86b, Mil88, MM95, Mil17b, NMMB07]. **two-phase** [BPZ<sup>+</sup>16, BPZ<sup>+</sup>17, CM95, GM93, GMB99, KMW12b, KMW14, KM91b, Mil86b, MB97, Mil11, Mil12a]. **two-scale** [Smy09]. **type** [ACK<sup>+</sup>11, ACK<sup>+</sup>12, ACK<sup>+</sup>13c, ACK<sup>+</sup>13d, ACK<sup>+</sup>14, MM17a, MM17b, MW10a, MW10b]. **types** [Mil87a, Mil87b].

**Uniformity** [KKM08]. **unimode** [Mil12c, Mil13d]. **Universal** [Mil11, Mil12a]. **USA** [MGDV03]. **use** [PTM82b]. **Using** [KKL<sup>+</sup>14, Mil05, ACK<sup>+</sup>13a, ACK<sup>+</sup>13b, CM94, EM99, KMW12b, KKL<sup>+</sup>13, KMW14, Mil13c]. **UT** [MGDV03].

**value** [Mil16j]. **variables** [Mil15b, Mil15d]. **Variational** [BM97, MK88, Mil16m, BM85, Mil90b, MSB08, MSB09, MW10a, 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, KMW14, 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<sup>+</sup>07a, MM17c].

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