

FORMATO EUROPEO  
PER IL CURRICULUM  
VITAE



INFORMAZIONI PERSONALI

Nome **[MORRO ANGELO ]**  
Indirizzo -  
Telefono -  
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Nazionalità -  
Data di nascita [ 29/05/1946 ]

ESPERIENZA LAVORATIVA

- Date (da – a) [Professore universitario; 1988- 2016 Professore ordinario di Fisica matematica; 1980-1988 Professore ordinario di Meccanica Razionale; 1973-1980 assistente ordinario di Meccanica Razionale. ]
- Nome e indirizzo del datore di lavoro [Universita' di Genova]
  - Tipo di azienda o settore
  - Tipo di impiego
- Principali mansioni e responsabilità

ISTRUZIONE E FORMAZIONE

- Date (da – a) [ 1966-1970 Corso di studio in Fisica; Novembre 1970 Laurea in Fisica; 1971-1972 Borsista presso l'Istituto di Fisica; Novembre 1972 Diploma di Perfezionamento in Fisica; Universita' di Genova ]
- Nome e tipo di istituto di istruzione o formazione [Nell'ambito della Fisica matematica le maggiori competenze sono state conseguite nella meccanica e termodinamica dei mezzi continui; capacita' tecnica prevalente nell'elaborazione di modelli matematici e nella determinazione di soluzioni analitiche]  
[Docente, dal 2000, di Continuum Mechanics per il dottorato in Ingegneria Civile]  
[Professore emerito di Fisica matematica]
- Principali materie / abilità professionali oggetto dello studio
- Qualifica conseguita
- Livello nella classificazione nazionale (se pertinente)

## CAPACITÀ E COMPETENZE

### PERSONALI

*Acquisite nel corso della vita e della carriera ma non necessariamente riconosciute da certificati e diplomi ufficiali.*

MADRELINGUA

[ LINGUA ITALIANA ]

ALTRE LINGUA

[LINGUA INGLESE; LINGUA FRANCESE ]

- Capacità di lettura
- Capacità di scrittura
- Capacità di espressione orale

[ECCELLENTE ]

[BUONO ]

[BUONO ]

## CAPACITÀ E COMPETENZE

### RELAZIONALI

*Vivere e lavorare con altre persone, in ambiente multiculturale, occupando posti in cui la comunicazione è importante e in situazioni in cui è essenziale lavorare in squadra (ad es. cultura e sport), ecc.*

## CAPACITÀ E COMPETENZE

### ORGANIZZATIVE

*Ad es. coordinamento e amministrazione di persone, progetti, bilanci; sul posto di lavoro, in attività di volontariato (ad es. cultura e sport), a casa, ecc.*

[Gestione, spesso come presidente, di varia commissioni di Ateneo (Paritetica) e di Scuola Politecnica (Orario)]

## CAPACITÀ E COMPETENZE

### TECNICHE

*Con computer, attrezzature specifiche, macchinari, ecc.*

[COMPETENZE ALGEBRICHE E ANALITICHE NELLO STUDIO DI MODELLI MATEMATICI; CONSISTENZA FISICA E DETERMINAZIONE DI SOLUZIONI ]

## CAPACITÀ E COMPETENZE

### ARTISTICHE

*Musica, scrittura, disegno ecc.*

## ALTRE CAPACITÀ E COMPETENZE

*Competenze non precedentemente indicate.*

PATENTE O PATENTI

## ULTERIORI INFORMAZIONI

## ALLEGATI

**Angelo MORRO**  
Elenco delle pubblicazioni

Libri:

- M. Fabrizio & A. Morro, *Mathematical Problems in Linear Viscoelasticity*, SIAM, Philadelphia, 1992  
G. Caviglia & A. Morro, *Inhomogeneous Waves in Solids and Fluids*, World Scientific, Singapore, 1992  
A. Morro, *Elementi di Fisica Matematica*, ECIG, Genova, 1997  
M. Fabrizio & A. Morro, *Electromagnetism of Continuous Media*, Oxford University Press, Oxford, 2003  
C. Giorgi & A. Morro, *Introduzione alla Matematica*, Maggioli, 2011

Articoli

- 1 M. Carrassi & A. Morro  
*A modified Navier-Stokes equation and its consequences on sound dispersion*  
Nuovo Cimento B 9, 321-343 (1972)
- 2 M. Carrassi & A. Morro  
*Some remarks about dispersion and absorption of sound in monoatomic rarefied gases*  
Nuovo Cimento B 13, 281-299 (1973)
- 3 L. Basano & A. Morro  
*Gravitational radiation from charged black holes*  
Lett. Nuovo Cimento 5, 266-268 (1973)
- 4 L. Basano & A. Morro  
*Black-hole collisions as sources of gravitational radiation*  
Nuovo Cimento B 17, 64-70 (1973)
- 5 L. Basano & A. Morro  
*Collapsed Schwarzschild fields and thermodynamics*  
Lett. Nuovo Cimento 6, 193-196 (1973)
- 6 M. Carrassi & A. Morro  
*Continuum thermodynamics and spatial interaction in fluids*  
Atti Accad. Naz. Lincei Rend. 55, 437-444 (1973)
- 7 M. Carrassi & A. Morro  
*The thermodynamic theory of the Maxwellian fluid*  
Boll. Un. Mat. Ital. 9, 297-335 (1974)
- 8 R. Borghesani & A. Morro  
*Time-reversal invariance and thermodynamics of electromagnetic fields in materials with memory*  
Ann. Mat. Pura Appl. 99, 65-80 (1974)
- 9 R. Borghesani & A. Morro  
*Addendum. Time-reversal invariance and thermodynamics of electromagnetic fields in materials with memory*  
Ann. Mat. Pura Appl. 101, 385-386 (1974)
- 10 R. Borghesani & A. Morro  
*Thermodynamics and isotropy in thermal and electric conduction*  
Meccanica 9, 63-69 (1974)
- 11 R. Borghesani & A. Morro  
*Thermodynamic restrictions on thermoelectric, thermomagnetic and galvanomagnetic coefficients*  
Meccanica 9, 157-161 (1974)

- 12 A. Morro  
*Thermodynamics and spatial interaction in viscoelastic materials*  
Boll. Un. Mat. Ital. 10, 355-374 (1974)
- 13 A. Morro  
*Thermodynamics of apolar viscoelastic dielectrics*  
Meccanica 10, 120-126 (1975)
- 14 A. Morro  
*Linear effects in apolar viscoelastic dielectrics*  
Istit. Lombardo Accad. Sci. Lett. Rend. A 110, 371-386 (1976)
- 15 A. Morro  
*Spatial interaction in magneto-micropolar continua*  
Meccanica 12, 194-207 (1977)
- 16 R. Borghesani & A. Morro  
*Relaxation functions and time-reversal invariance in thermal and electric conduction*  
Ann. Mat. Pura Appl. 114, 271-288 (1977)
- 17 A. Morro  
*Temperature waves in rigid materials with memory*  
Meccanica 12, 73-77 (1977)
- 18 A. Morro  
*Thermoviscoelasticity and invariance of the entropy production under time-reversal*  
Ann. Mat. Pura Appl. 119, 115-137 (1979)
- 19 A. Morro  
*Interaction of shock waves with acoustic waves*  
Atti Accad. Naz. Lincei Rend. 64, 177-185 (1978)
- 20 A. Morro  
*Interaction of acoustic waves with shock waves in elastic solids*  
Z. Angew. Math. Phys. 29, 822-827 (1978)
- 21 E. Massa & A. Morro  
*A dynamical approach to relativistic continuum thermodynamics*  
Ann. Inst. Henri Poincaré 29, 423-454 (1978)
- 22 F. Bampi & A. Morro  
*Gravity waves in water of variable depth*  
Nuovo Cimento C 1, 377-388 (1978)
- 23 A. Morro  
*Interaction of waves with shocks in magnetofluid-dynamics*  
Acta Mech. 35, 197-213 (1980)
- 24 A. Morro  
*Oblique interaction of waves with shocks*  
Acta Mech. 38, 241-248 (1981)
- 25 A. Morro  
*From microscopic to macroscopic reversibility*  
Atti Accad. Naz. Lincei Rend. 66, 541-547 (1979)
- 26 A. Morro  
*Symmetry and reversibility in materials with hidden variables*  
Int. J. Engng Sci. 18, 913-919 (1980)
- 27 F. Bampi & A. Morro  
*Water wave theories and variational principles*  
Nuovo Cimento C 2, 352-366 (1979)

- 28 F. Bampi & A. Morro  
*Korteweg-de Vries equation and nonlinear waves*  
Lett. Nuovo Cimento 26, 61-63 (1979)
- 29 A. Morro  
*Wave propagation in thermo-viscous materials with hidden variables*  
Arch. Mech. 32, 145-161 (1980)
- 30 A. Morro  
*Shock waves in thermo-viscous fluids with hidden variables*  
Arch. Mech. 32, 193-199 (1980)
- 31 A. Morro  
*Acceleration waves in thermo-viscous fluids*  
Rend. Sem. Mat. Univ. Padova 63, 169-184 (1980)
- 32 A. Morro  
*Shock and wave relations in MFD with heat conduction and viscosity*  
Meccanica 14, 112-114 (1980)
- 33 A. Morro  
*Wave propagation in thermo-viscous magnetofluid-dynamics*  
Phys. Lett. A 79, 84-86 (1980)
- 34 A. Morro  
*Shocks and waves in thermo-viscous MFD with hidden variables*  
Acta Phys. Hung. 48, 369-382 (1980)
- 35 F. Bampi & A. Morro  
*Hidden variables and waves in relativistic thermo-viscous fluid dynamics*  
Acta Phys. Polon. B 10, 1081-1084 (1979)
- 36 F. Bampi & A. Morro  
*Two approaches to nonstationary relativistic thermodynamics*  
J. Math. Phys. 21, 1201-1204 (1980)
- 37 F. Bampi & A. Morro  
*Viscous fluids with hidden variables and hyperbolic systems*  
Wave Motion 2, 153-157 (1980)
- 38 A. Morro  
*Quasi-linear systems and waves in thermo-viscous fluid dynamics*  
Atti Accad. Naz. Lincei Rend. 67, 340-346 (1980)
- 39 F. Bampi & A. Morro  
*Objectivity principle revisited*  
Istit. Lombardo Accad. Sci. Lett. Rend. A 114, 149-156 (1980)
- 40 F. Bampi & A. Morro  
*Objectivity and objective time derivatives in continuum physics*  
Foundations of Physics 10, 905-920 (1980)
- 41 F. Bampi & A. Morro  
*Relativistic heat equation in causal nonstationary thermodynamics*  
Phys. Lett. A 79, 156-158 (1980)
- 42 F. Bampi & A. Morro  
*Dissipative effects and waves in magnetofluid dynamics*  
J. Non-Equilib. Thermodyn. 6, 1-14 (1981)
- 43 F. Bampi & A. Morro  
*Nonstationary thermodynamics and wave propagation in heat-conducting viscous fluids*  
J. Phys. A 14, 631-638 (1981)

- 44 F. Bampi & A. Morro  
*Mixture approach to a model for sediment transport*  
Phys. Fluids 24, 209-213 (1981)
- 45 F. Bampi, D. Jou & A. Morro  
*Two continuum approaches to a wavelength-dependent description of heat conduction*  
Physica A 107, 393-403 (1981)
- 46 A. Morro  
*A Gronwall-like inequality and its application to continuum thermodynamics*  
Boll. Un. Mat. Ital. B 1, 553-562 (1982)
- 47 F. Bampi & A. Morro  
*An approach to particulate sedimentation and virtual masses through thermo-viscous fluid mixtures*  
Boll. Un. Mat. Ital. Suppl. Fis. Mat. 1, 237-252 (1981)
- 48 F. Bampi & A. Morro  
*Relaxation phenomena in irreversible thermodynamics*  
Atti Sem. Mat. Fis. Univ. Modena 30, 1-15 (1981)
- 49 D. Jou, F. Bampi & A. Morro  
*Thermodynamic description of ultrasonic attenuation in metals*  
J. Non-Equilib. Thermodyn. 7, 201-212 (1982)
- 50 A. Morro  
*Hidden variable approach to constrained solids*  
Arch. Mech. 34, 165-177 (1982)
- 51 F. Bampi & A. Morro  
*Effects of viscosity on water waves*  
Nuovo Cimento C 4, 551-562 (1982)
- 52 L. De Florian, F. Bampi & A. Morro  
*Computer analysis of waves on a shallow sloping beach*  
Quaderno IAC n. 133, Roma, 1981
- 53 F. Bampi & A. Morro  
*Mixture approach to plasmas with dissipative phenomena*  
Nuovo Cimento D 1, 169-185 (1982)
- 54 F. Bampi & A. Morro  
*Objective constitutive relations in elasticity and viscoelasticity*  
Meccanica 17, 138-142 (1982)
- 55 F. Bampi & A. Morro  
*The inverse problem of the calculus of variations applied to continuum physics*  
J. Math. Phys. 23, 2312-2321 (1982)
- 56 A. Morro & B. Straughan  
*Highly unstable solutions to completely nonlinear diffusion problems*  
J. Nonlinear Analysis TMA 7, 231-237 (1983)
- 57 F. Bampi & A. Morro  
*Exchange of energy and momentum between gases at different temperatures*  
Phys. Fluids 25, 2207-2210 (1982)
- 58 F. Bampi & A. Morro  
*Hamiltonian cosmology and gravitational solitons: a variational outlook*  
Phys. Rev. D 26, 3354-3358 (1982)
- 59 F. Franchi & A. Morro  
*Continuous dependence and uniqueness for heat-conducting viscous fluids in bounded*

- domains*  
Rend. Circ. Mat. Palermo 33, 145-158 (1984)
- 60 A. Morro  
*Evolution equations for dissipative bodies and hyperbolicity*  
Acta Mech. 48, 227-231 (1983)
- 61 A. Morro  
*A pointwise estimate for the solution to a linear Volterra integral equation*  
Atti Accad. Naz. Lincei Rend. 74, 12-18 (1983)
- 62 F. Bampi & A. Morro  
*A lagrangian density for the dynamics of elastic dielectrics*  
Int J. Non-Linear Mech. 18,441-447 (1983)
- 63 F. Bampi & A. Morro  
*Dissipative materials and variational formulations*  
Mech. Res. Comm. 10, 287-292 (1983)
- 64 F. Bampi & A. Morro  
*Lagrangians for certain classes of inelastic solids*  
Int. J. Solids Structures 22, 1357-1367 (1986)
- 65 A. Morro  
*A variational principle for elastic dielectrics*  
The Mechanical Behaviour of Electromagnetic Solid Continua (G. A. Maugin ed.),  
North Holland, Amsterdam, 1983; pp. 217-221
- 66 F. Bampi & A. Morro  
*The connection between variational principles in Eulerian and Lagrangian descriptions*  
J. Math. Phys. 25, 2418-2421 (1984)
- 67 F. Bampi & A. Morro  
*On functionals made stationary by given functions*  
Boll. Un. Mat. Ital. A 4, 49-56 (1985)
- 68 B. Straughan, F. Bampi & A. Morro  
*Chemical convective instability and quasi-equilibrium thermodynamics*  
Meccanica 19, 291-293 (1984)
- 69 F. Bampi & A. Morro  
*Nonequilibrium thermodynamics: a hidden variable approach*  
Recent Developments in Nonequilibrium Thermodynamics (J. Casas-Vazquez, D. Jou  
& G. Lebon eds), Lecture Notes in Physics 199, Springer, Berlin, 1984; pp. 211-232
- 70 A. Morro  
*Relaxation phenomena via hidden variable thermodynamics*  
Thermodynamics and Constitutive Equations (G. Grioli ed.),  
Lecture Notes in Physics 228, Springer, Berlin, 1985; pp. 217-231
- 71 F. Franchi & A. Morro  
*Domain of influence in nonlinear heat conduction*  
Atti Sem. Mat. Fis. Univ. Modena 33, 247-262 (1984)
- 72 F. Bampi & A. Morro  
*Topics in the inverse problem of the calculus of variations*  
Boll. Un. Mat. Ital. Suppl. Fis. Mat. 5, 93-115 (1986)
- 73 F. Bampi & A. Morro  
*A variational approach to deformable electromagnetic solids*  
Acta Phys. Polon. B 17, 937-949 (1986)
- 74 D. Jou, F. Bampi & A. Morro

- A kinetic and mixture approach to continuum models for metals*  
 Boll. Un. Mat. Ital. Suppl. Fis. Mat. 5, 245-257 (1986)
- 75 A. Morro  
*Negative semidefiniteness of the viscoelastic attenuation tensor via the Clausius-Duhem inequality*  
 Arch. Mech. 37, 255-259 (1985)
- 76 M. Fabrizio & A. Morro  
*Thermodynamic restrictions on relaxation functions in linear viscoelasticity*  
 Mech. Res. Comm. 12, 101-105 (1985)
- 77 A. Morro, R. Drouot & G. A. Maugin  
*Thermodynamics of polyelectrolyte solutions in an electric field*  
 J. Non-Equilib. Thermodyn. 10, 131-144 (1985)
- 78 G. Caviglia & A. Morro  
*Drag on a sphere in a fluid*  
 Nuovo Cimento C 9, 74-88 (1986)
- 79 A. Morro & M. Romeo  
*On the law of mass action in fluid mixtures with several temperatures*  
 Nuovo Cimento D 7, 539-550 (1986)
- 80 A. Morro & A. I. Murdoch  
*Stress, body force, and momentum balance in mixture theory*  
 Meccanica 21, 184-190 (1986)
- 81 A. I. Murdoch & A. Morro  
*On the continuum theory of mixtures: motivation from discrete considerations*  
 Int. J. Engng Sci. 25, 9-25 (1987)
- 82 A. Morro & M. Fabrizio  
*On uniqueness in linear viscoelasticity: a family of counterexamples*  
 Quart. Appl. Math. 45, 321-325 (1987)
- 83 A. Morro  
*Symmetry and monotonicity of the relaxation function in linear viscoelasticity*  
 Acta Mech. 66, 263-268 (1987)
- 84 A. Morro & M. Parodi  
*Extensive force in polyelectrolyte solutions*  
 J. Molecular Liquids 32, 279-289 (1986)
- 85 A. Morro, R. Drouot & G. A. Maugin  
*A continuum model for polyelectrolytes in solution*  
 Continuum Models of Discrete Systems (A. J. M. Spencer ed.),  
 Balkema, Rotterdam (1987); pp. 139-144
- 86 P. J. Chen & A. Morro  
*On induced discontinuities in a class of linear materials with internal state parameters*  
 Meccanica 22, 14-18 (1987)
- 87 A. Morro & T. Ruggeri  
*Second sound and internal energy in solids*  
 Int. J. Non-Linear Mechanics 22, 27-36 (1987)
- 88 R. Drouot, G. A. Maugin & A. Morro  
*Anisotropic equilibrium conformations in solutions of polymers and polyelectrolytes*  
 J. Non-Newtonian Fluid Mechanics 23, 295-304 (1987)
- 89 G. Caviglia & A. Morro  
*Noether-type conservation laws for perfect fluid motions*



- J. Math. Phys. 28, 1056-1060 (1987)
- 90 M. Fabrizio & A. Morro  
*Viscoelastic relaxation functions compatible with thermodynamics*  
J. Elasticity 19, 63-75 (1988)
- 91 A. Morro & M. Romeo  
*The law of mass action for fluid mixtures with several temperatures and velocities*  
J. Non-Equilib. Thermodyn. 13, 339-353 (1988)
- 92 A. Chiabrera, A. Morro & M. Parodi  
*High-field effects in liquid dielectrics*  
Ferroelectrics 76, 335-342 (1987)
- 93 B. Bianco, A. Chiabrera, A. Morro & M. Parodi  
*Effects of magnetic exposure on ions in electric fields*  
Ferroelectrics 86, 159-168 (1987)
- 94 A. Morro & M. Parodi  
*A variational approach to non-linear dielectrics; application to polyelectrolytes*  
J. Electrostatics 20, 219-232 (1987)
- 95 A. Morro & M. Romeo  
*Thermodynamic derivation of Saha's equation for a multi-temperature plasma*  
J. Plasma Phys. 39, 41-51 (1987)
- 96 G. Caviglia & A. Morro  
*Conservation laws in anisotropic elastostatics*  
Int. J. Engng Sci. 26, 393-400 (1988)
- 97 A. Morro & T. Ruggeri  
*Nonequilibrium properties of solids through second sound measurements*  
J. Phys. C 21, 1743-1752 (1988)
- 98 G. Caviglia & A. Morro  
*On conservation laws for incompressible fluids*  
Int. J. Math. & Math. Sci. 12, 377-384 (1989)
- 99 A. Morro  
*Variational methods for nonlinear dielectrics*  
Atti Sem. Mat. Fis. Univ. Modena 36, 339-353 (1988)
- 100 G. Caviglia & A. Morro  
*A general approach to conservation laws in viscoelasticity*  
Acta Mech. 75, 255-267 (1988)
- 101 A. Morro & I. Müller  
*A study of swelling and collapse in polyelectrolyte gels*  
Rheologica Acta 27, 44-51 (1988)
- 102 G. Caviglia & A. Morro  
*Initial-data dependent conservation laws for the telegraph equation*  
Boll. Un. Mat. Ital. B 2, 859-875 (1988)
- 103 M. Benati & A. Morro  
*Dynamics of a chain of flexible links*  
ASME J. Dynamic Systems, Measurement and Control 110, 410-415(1988)
- 104 G. Caviglia & A. Morro  
*Generalized symmetries and conservation laws: a Noether-type approach*  
Riv. Mat. Pura Appl. (1988)
- 105 G. Caviglia, A. Morro & E. Pagani  
*Time-harmonic waves in viscoelastic media*

- Mech. Res. Comm. 16, 53-58 (1988)
- 106 A. Morro & M. Parodi  
*Lagrangian and energy for nonlinear dielectrics*  
Ferroelectrics 89, 211-217 (1989)
- 107 M. Parodi, M. Tortonese & A. Morro  
*Effects of site-binding and field-dependent permittivity in polyelectrolyte solutions*  
J. Mol. Liquids 40, 65-77 (1988)
- 108 G. A. Maugin & A. Morro  
*Viscoelastic materials with internal variables and dissipation functions*  
Acta Phys. Hung. 66, 69-78 (1989)
- 109 A. Morro & M. Vianello  
*Free energy and internal variables in linear viscoelasticity*  
Atti Accad. Naz. Lincei Rend. (1988)
- 110 G. Caviglia & A. Morro  
*Inhomogeneous waves and sound absorption in viscous fluids*  
Phys. Lett. A 134, 127-130 (1988)
- 111 M. Fabrizio, C. Giorgi & A. Morro  
*Minimum principles, convexity, and thermodynamics in viscoelasticity*  
Cont. Mech. Therm. 1, 197-211 (1989)
- 112 M. Benati & A. Morro  
*Dynamical equations of constrained robotic devices*  
Meccanica 23, 243-249 (1989)
- 113 M. Fabrizio & A. Morro  
*Fading memory spaces and approximate cycles in linear viscoelasticity*  
Rend. Sem. Mat. Univ. Padova 82, 239-255 (1989)
- 114 A. Chiabrera, A. Morro & M. Parodi  
*Water concentration and dielectric permittivity in molecular crevices*  
Nuovo Cimento D 11, 981-992 (1989)
- 115 G. A. Maugin & A. Morro  
*Constitutive equations in viscoelasticity through the Legendre-Fenchel transformation*  
Rheologica Acta 28, 190-192 (1989)
- 116 G. Caviglia & A. Morro  
*On the generation of conservation laws in viscoelasticity*  
Acta Mech. 81, 91-95 (1990)
- 117 M. Parodi, M. Tortonese & A. Morro  
*Site binding and nonlinearity effects on the extending force in polyelectrolyte solutions*  
J. Electrostatics 24, 271-281 (1989)
- 118 G. Caviglia, A. Morro & E. Pagani  
*Inhomogeneous waves in viscoelastic media*  
Wave Motion 12, 143-159 (1990)
- 119 G. Caviglia, A. Morro & E. Pagani  
*Reflection and refraction at elastic-viscoelastic interfaces*  
Nuovo Cimento C 12, 399-413 (1989)
- 120 A. Morro & M. Vianello  
*Minimal and maximal free energy for materials with memory*  
Boll. Un. Mat. Ital. A 4, 45-55 (1990)
- 121 G. Caviglia, A. Morro & E. Pagani  
*Surface waves on a solid half-space*

- J. Acoust. Soc. Amer. 86, 2456-2459 (1989)
- 122 G. Caviglia & A. Morro  
*Conservation laws in heat conduction with memory*  
Rendiconti di Matematica 9, 369-381 (1989)
- 123 G. Caviglia & A. Morro  
*Conservation laws in viscoelasticity*  
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- 124 G. Caviglia & A. Morro  
*Surface waves at a fluid-viscoelastic solid interface*  
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- 125 A. Morro & B. Straughan  
*Equations for reacting viscous fluids near chemical equilibrium*  
Riv. Mat. Univ. Parma 16, 173-182 (1990)
- 126 G. Caviglia & A. Morro  
*A uniqueness theorem for the scattering of harmonic waves in a fluid-solid medium*  
Boll. Un. Mat. Ital. A 4, 113-119 (1990)
- 127 B. Straughan & A. Morro  
*Time-invariant uniqueness for reacting viscous fluids near chemical equilibrium*  
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- 128 G. Caviglia & A. Morro  
*On the modelling of dissipative solids*  
Meccanica 25, 124-127 (1990)
- 129 A. Morro & B. Straughan  
*Convective instabilities of reacting viscous fluids far from equilibrium*  
J. Non-Equilib. Thermodyn. 15, 139-150 (1990)
- 130 A. Morro, G. A. Maugin & R. Drouot  
*Diffusion in polyelectrolyte solutions*  
Rheologica Acta 29, 215-222 (1990)
- 131 G. Caviglia & A. Morro  
*Scattering problems for acoustic waves*  
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- 132 A. Morro, L. E. Payne & B. Straughan  
*Decay, growth, continuous dependence, and uniqueness results in generalized heat conduction theories*  
Appl. Anal. 38, 231-243 (1990)
- 133 G. Caviglia & A. Morro  
*Body force effects on time-harmonic inhomogeneous waves*  
Arch. Mech. 42, 337-345 (1990)
- 134 A. Morro  
*Thermodynamics and extremum principles in viscoelasticity*  
Advances in Thermodynamics VI, S. Sieniutycz and P. Salamon eds, Taylor and Francis, New York, 1990
- 135 C. Giorgi & A. Morro  
*Extremum principles for viscoelastic fluids*  
Int. J. Engn Sci. 29, 807-817 (1991)
- 136 G. Caviglia & A. Morro  
*Wave propagation in inhomogeneous viscoelastic solids*  
Quart. J. Mech. Appl. Math. 44, 45-54 (1991)
- 137 M. Fabrizio & A. Morro

- Reversible processes in the thermodynamics of continuous media*  
 J. Non-Equilib. Thermodyn. 16, 1-12 (1991)
- 138 A. Morro & B. Straughan  
*A uniqueness theorem in the dynamical theory of piezoelectricity*  
 Math. Meth. Appl. Sci. 14, 295-299 (1991)
- 139 G. Caviglia, A. Morro & B. Straughan  
*Thermoelasticity at cryogenic temperatures*  
 Int. J. Non-Linear Mech. 27, 251-263 (1992)
- 140 A. De Gloria & A. Morro  
*Nonlinear effects on the electric field originated by molecular assemblies*  
 J. Molecular Electronics 7, 47-53 (1991)
- 141 A. Morro & B. Straughan  
*Continuous dependence on the source parameters for convective motion in porous media*  
 J. Nonlin. Anal. TMA 18, 307-315 (1992)
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