

**FORMATO EUROPEO
PER IL CURRICULUM
VITAE**



INFORMAZIONI PERSONALI

Nome **BIRINDELLI, ISABELLA NOTA COME ISABEAU**
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Nazionalità Italiana

Data di nascita

ESPERIENZA LAVORATIVA

- Date (da marzo 2007 a oggi) PROFESSORE ORDINARIO DI ANALISI MATEMATICA
Dal 2018 a oggi DIRETTORE DEL DIPARTIMENTO DI MATEMATICA GUIDO CASTELNUOVO
Dal 1998 al 2007 PROFESSORE ASSOCIATO
Dal 1992 al 1998 RICERCATORE UNIVERSITARIO

- Nome SAPIENZA UNIVERSITÀ DI ROMA
indirizzo del datore di lavoro DIPARTIMENTO DI MATEMATICA GUIDO CASTELNUOVO
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ISTRUZIONE E FORMAZIONE

- Date (da 1987 a 1993) 1993 PHD, COURANT INSTITUTE OF MATHEMATICAL SCIENCES, N.Y.U.
TESI: EQUAZIONI ELLITTICHE DEL SECONDO ORDINE IN DOMINI GENERALI: LEMMA DI HOPF E ANTI
PRINCIPIO DEL MASSIMO. RELATORE: PROF. LOUIS NIRENBERG (PREMIO ABEL)
1987 LAUREATA CON LODE, SAPIENZA, RELATORE: PROF. U. MOSCO

**CAPACITÀ E COMPETENZE
PERSONALI**

MADRELINGUA

ITALIANO E FRANCESE

ALTRE LINGUA

INGLESE

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

ECCELLENTE

ECCELLENTE

ECCELLENTE

**CAPACITÀ E COMPETENZE
RELAZIONALI**

DIRETTORE DI DIPARTIMENTO CON OLTRE 80 PERSONE, COORDINATRICE DI PROGETTO, DOCENTE, RESPONSABILE DI INIZIATIVE SCIENTIFICHE IN ITALIA E ALL'ESTERO

**CAPACITÀ E COMPETENZE
ORGANIZZATIVE**

ORGANIZZAZIONE DEL LAVORO AMMINISTRATIVO E TECNICO DEL DIPARTIMENTO
MEMBRO DI COMMISSIONI DI CONCORSO,
MEMBRO DEL COMITATO SCIENTIFICO DELLO GNAMPA, O
ORGANIZZAZIONE DI CONVEGNI INTERNAZIONALI

**CAPACITÀ E COMPETENZE
TECNICHE.**

TEX, LATEX, HTML, WORD, EXCEL, MEET, ZOOM, NOTES, ETC.....

**CAPACITÀ E COMPETENZE
SCIENTIFICHE**

AUTORE DI 68 ARTICOLI PUBBLICATI SU RIVISTA INTERNAZIONALE CON REFEREE
SECONDO MATHSCIENET , CON UN TOTALE DI OLTRE 870 CITAZIONI DA 456 E H INDICE 17
REFEREE PER MOLTE RIVISTE TRA CUI "INVENTIONES MATEMATICAE", "JOURNAL IHP", "ANALYSE NON LINÉAIRE", "COMMUNICATION IN PARTIAL DIFFERENTIAL EQUATIONS", "JOURNAL OF EUROPEAN MATHEMATICAL SOCIETY", "PROCEEDINGS OF THE ROYAL SOCIETY OF EDINBURGH", "PACIFIC JOURNAL", "ANNALI DI PISA", "EQUAZIONI E APPLICAZIONI DIFFERENZIALI NON LINEARI", "NON LINEARITÀ"
TEMI DI RICERCA: PDE ELLITTICHE COMPLETAMENTE NON LINEARI, PROPRIETÀ SPETTRALI, PRINCIPIO DEL MASSIMO, REGOLARITÀ. EQUAZIONI ALLE DERIVATE PARZIALI ELLITTICHE, ELLITTICHE DEGENERI E SISTEMI DI, CON PARTICOLARE ATTENZIONE ALLE PROPRIETÀ QUALITATIVE, ALLA REGOLARITÀ, AI TEOREMI DI ESISTENZA E NON ESISTENZA NEI CASI SEMILINEARE, QUASI-LINEARE E LINEARE, PROPRIETÀ SPETRALI. APPLICAZIONI ALLE EQUAZIONI DI REAZIONE E DIFFUSIONE.

...

ALTRE CAPACITÀ E COMPETENZE

PROFESSORE INVITATO IN MOLTE IMPORTANTI UNIVERSITÀ TRA CUI:
UNIVERSITÀ DI CERGY-PONTOISE,
ISTITUTO TATA BANGALORE,
UNIVERSITÀ DI PARIGI X,
UNIVERSITÀ DEL CILE,
UNIVERSITÀ DI STANFORD,
UNIVERSITÀ RUTGERS,
UC BERKELEY.

RELATORE INVITATO NELLE CONFERENZE INTERNAZIONALI NEGLI ULTIMI 5 ANNI PRIMA DELLA PANDEMIA

GIUGNO 2019 SECONDA GIORNATA DI PDE NON LINEARE, CALAIS

GIUGNO 2019, NONLINEAR AVERAGING E PDE IN OCCASIONE DEI 60 ANNI DI JUAN MANFREDI, LEVICO

LUGLIO 2019 WORKSHOP IN EQUAZIONI DIFFERENZIALI NON LINEARI, VARESE

GENNAIO 2019 PDE DAVANTI ALL'ALHAMBRA, GRANADA

DICEMBRE 2018, PDE A VALPARAISO, CILE

SETTEMBRE 2018 ERC READY A PORTQUEROLLE, FRANCIA

SETTEMBRE 2017, WORKSHOP SUL DIFF. EQ., BRASÍLIA

SETTEMBRE 2017, 4° CONFERENZA SULLE TENDENZE RECENTI NEI FENOMENI NONLINEARI, MESSINA
 LUGLIO 2017, VISCOSITÀ SOL. APPROCCIO A PROBLEMI ASINTOTICI NELLA PROPAGAZIONE FRONTALE, SISTEMA DINAMICO. E ARGOMENTI CORRELATI, RIMS, KYOTO
 MARZO 2017, SEMINARIO MATEMATICA E FISICO, UNIV. DI MILANO
 GENNAIO 2017, JAMES SERRIN: DALLA SUA EREDITÀ ALLE NUOVE FRONTIERE, PERUGIA
 SETTEMBRE 2016: GIORNATA PDE CON LOUIS NIRENBERG, HAIFA
 MAGGIO 2016, 9° CONFERENZA EUROPEA SUI PROBLEMI ELLITTICI E PARABOLICI, GAETA
 APRILE 2016, RECENT TRENDS IN NONLINEAR EVOLUTION EQUATIONS, CIRM, MARSIGLIA, FRANCIA
 FEBBRAIO 2016, PDE NON LINEARE, PADOVA
 AGOSTO 2015, TENDENZE ATTUALI IN ANALISI E PDE, IMPA, RIO DE JANEIRO, BRASILE
 MARZO 2015, PDE NON LINEARE ALLA FINE DEL MONDO, PUNTA ARENAS, CILE
 FEBBRAIO 2015, TEORIA SPETTRALE E PROBLEMI DI OTTIMIZZAZIONE DI FORMA PER PDE ELLITTICHE, MILANO BICOCCA
 NOVEMBRE 2014, METODI NUMERICI PER LE PDE: CONTROLLO OTTIMO, GIOCHI ED ELABORAZIONE DELLE IMMAGINI, SAPIENZA, ROMA
 AGOSTO 2014, DFDE, MOSCA

ULTERIORI INFORMAZIONI PERSONALI

SONO CRESCIUTA A NIZZA, A 16 ANNI MI SONO TRASFERITA A ROMA POI A NEW YORK E POI DI NUOVO A ROMA CON LUNGI E MOLTEPLICI PERIODI DI PERMANENZA A PARIGI.
 SONO SPOSATA, HO UN FIGLIO
 SUONO L'ARPA E FACCIO SCI-ALPINISMO

PUBBLICAZIONI

1. BIRINDELLI, ISABEAU; GALISE, GIULIO; TOPP, ERWIN FRACTIONAL TRUNCATED LAPLACIANS: REPRESENTATION FORMULA, FUNDAMENTAL SOLUTIONS AND APPLICATIONS. *NODEA NONLINEAR DIFFERENTIAL EQUATIONS APPL.* 29 (2022), no. 3, PAPER No. 26, 49 PP.
2. BIRINDELLI, ISABEAU; DEMENGEL, FRANÇOISE; LEONI, FABIANA BOUNDARY ASYMPTOTICS OF THE ERGODIC FUNCTIONS ASSOCIATED WITH FULLY NONLINEAR OPERATORS THROUGH A LIOUVILLE TYPE THEOREM. *DISCRETE CONTIN. DYN. SYST.* 41 (2021), no. 7, 3021–3029.
3. BIRINDELLI, ISABEAU; GALISE, GIULIO; RODRÍGUEZ-PAREDES, ANDREI EXISTENCE ISSUES FOR A LARGE CLASS OF DEGENERATE ELLIPTIC EQUATIONS WITH NONLINEAR HAMILTONIANS. *J. CONVEX ANAL.* 28 (2021), no. 2, 329–352.
4. BIRINDELLI, I.; GALISE, G.; ISHII, H. EXISTENCE THROUGH CONVEXITY FOR THE TRUNCATED LAPLACIANS. *MATH. ANN.* 379 (2021), no. 3-4, 909–950.
5. BIRINDELLI, ISABEAU; GALISE, GIULIO; ISHII, HITOSHI POSITIVITY SETS OF SUPERSOLUTIONS OF DEGENERATE ELLIPTIC EQUATIONS AND THE STRONG MAXIMUM PRINCIPLE. *TRANS. AMER. MATH. SOC.* 374 (2021), no. 1, 539–564.
6. BIRINDELLI, ISABEAU; PAYNE, KEVIN R. PRINCIPAL EIGENVALUES FOR K -HESSIAN OPERATORS BY MAXIMUM PRINCIPLE METHODS. *MATH. ENG.* 3 (2021), no. 3, PAPER No. 021, 37 PP.
7. BIRINDELLI, ISABEAU; GALISE, GIULIO ALLEN-CAHN EQUATION FOR THE TRUNCATED LAPLACIAN: UNUSUAL PHENOMENA. *MATH. ENG.* 2 (2020), no. 4, 722–733.
8. BIRINDELLI, ISABEAU; GALISE, GIULIO; ISHII, HITOSHI TOWARDS A REVERSED FABER-KRAHN INEQUALITY FOR THE TRUNCATED LAPLACIAN. *REV. MAT. IBEROAM.* 36 (2020), no. 3, 723–740.
9. ALFARO, MATTHIEU; BIRINDELLI, ISABEAU EVOLUTION EQUATIONS INVOLVING NONLINEAR TRUNCATED LAPLACIAN OPERATORS. *DISCRETE CONTIN. DYN. SYST.* 40 (2020), no. 6, 3057–3073.
10. BIRINDELLI, ISABEAU; DEMENGEL, FRANÇOISE; LEONI, FABIANA ERGODIC PAIRS FOR SINGULAR OR DEGENERATE FULLY NONLINEAR OPERATORS. *ESAIM CONTROL OPTIM. CALC. VAR.* 25 (2019), PAPER No. 75, 28 PP.
11. BIRINDELLI, ISABEAU; GALISE, GIULIO THE DIRICHLET PROBLEM FOR FULLY NONLINEAR DEGENERATE ELLIPTIC EQUATIONS WITH A SINGULAR NONLINEARITY. *CALC. VAR. PARTIAL DIFFERENTIAL EQUATIONS* 58 (2019), no. 5, PAPER No. 180, 13 PP.
12. BIRINDELLI, ISABEAU; DEMENGEL, FRANÇOISE; LEONI, FABIANA $C(1, r)$ REGULARITY FOR SINGULAR OR DEGENERATE FULLY NONLINEAR EQUATIONS AND APPLICATIONS. *NODEA NONLINEAR DIFFERENTIAL EQUATIONS APPL.* 26 (2019), no. 5, PAPER No. 40, 13 PP.
13. BIRINDELLI, ISABEAU; DEMENGEL, FRANÇOISE; LEONI, FABIANA DIRICHLET PROBLEMS FOR FULLY NONLINEAR EQUATIONS WITH "SUBQUADRATIC" HAMILTONIANS. *CONTEMPORARY RESEARCH IN ELLIPTIC PDES AND RELATED TOPICS*, 107–127, SPRINGER INDAM SER., 33, SPRINGER, CHAM, 2019.

14. BIRINDELLI, ISABEAU; GALISE, GIULIO; LEONI, FABIANA; PACELLA, FILOMENA CONCENTRATION AND ENERGY INVARIANCE FOR A CLASS OF FULLY NONLINEAR ELLIPTIC EQUATIONS. *CALC. VAR. PARTIAL DIFFERENTIAL EQUATIONS* 57 (2018), no. 6, PAPER NO. 158, 22 PP.
15. BIRINDELLI, ISABEAU; GALISE, GIULIO; ISHII, HITOSHI A FAMILY OF DEGENERATE ELLIPTIC OPERATORS: MAXIMUM PRINCIPLE AND ITS CONSEQUENCES. *ANN. INST. H. POINCARÉ C ANAL. NON LINÉAIRE* 35 (2018), no. 2, 417–441.
16. BIRINDELLI, ISABEAU; GALISE, GIULIO; LEONI, FABIANA LIOUVILLE THEOREMS FOR A FAMILY OF VERY DEGENERATE ELLIPTIC NONLINEAR OPERATORS. *NONLINEAR ANAL.* 161 (2017), 198–211.
17. BIRINDELLI, ISABEAU; LEONI, FABIANA; PACELLA, FILOMENA SYMMETRY AND SPECTRAL PROPERTIES FOR VISCOSITY SOLUTIONS OF FULLY NONLINEAR EQUATIONS. *J. MATH. PURES APPL.* (9) 107 (2017), no. 4, 409–428.
18. BIRINDELLI, ISABEAU; CAMILLI, FABIO; CAPUZZO DOLCETTA, ITALO ON THE APPROXIMATION OF THE PRINCIPAL EIGENVALUE FOR A CLASS OF NONLINEAR ELLIPTIC OPERATORS. *COMMUN. MATH. SCI.* 15 (2017), no. 1, 55–75.
19. BIRINDELLI, ISABEAU; DEMENGEL, FRANÇOISE EXISTENCE AND REGULARITY RESULTS FOR FULLY NONLINEAR OPERATORS ON THE MODEL OF THE PSEUDO PUCCI'S OPERATORS. *J. ELLIPTIC PARABOL. EQU.* 2 (2016), no. 1-2, 171–187.
20. BIRINDELLI, ISABEAU; DEMENGEL, FRANÇOISE FULLY NONLINEAR OPERATORS WITH HAMILTONIAN: HÖLDER REGULARITY OF THE GRADIENT. *NODEA NONLINEAR DIFFERENTIAL EQUATIONS APPL.* 23 (2016), no. 4, ART. 41, 17 PP.
21. BIRINDELLI, I.; CAPUZZO DOLCETTA, I.; VITOLO, A. ABP AND GLOBAL HÖLDER ESTIMATES FOR FULLY NONLINEAR ELLIPTIC EQUATIONS IN UNBOUNDED DOMAINS. *COMMUN. CONTEMP. MATH.* 18 (2016), no. 4, 1550075, 16 PP.
22. BIRINDELLI, ISABEAU; DEMENGEL, FRANCOISE HÖLDER REGULARITY OF THE GRADIENT FOR SOLUTIONS OF FULLY NONLINEAR EQUATIONS WITH SUB LINEAR FIRST ORDER TERM. *GEOMETRIC METHODS IN PDE'S*, 257–268, SPRINGER INDAM SER., 13, SPRINGER, CHAM, 2015.
23. BIRINDELLI, ISABEAU; LEONI, FABIANA SYMMETRY MINIMIZES THE PRINCIPAL EIGENVALUE: AN EXAMPLE FOR THE PUCCI'S SUP OPERATOR. *MATH. RES. LETT.* 21 (2014), no. 5, 953–967.
24. BIRINDELLI, I.; DEMENGEL, F. $C^{1,\beta}$ REGULARITY FOR DIRICHLET PROBLEMS ASSOCIATED TO FULLY NONLINEAR DEGENERATE ELLIPTIC EQUATIONS. *ESAIM CONTROL OPTIM. CALC. VAR.* 20 (2014), no. 4, 1009–1024.
25. BIRINDELLI, I.; DEMENGEL, F. OVERDETERMINED PROBLEMS FOR SOME FULLY NON LINEAR OPERATORS. *COMM. PARTIAL DIFFERENTIAL EQUATIONS* 38 (2013), no. 4, 608–628.
26. BIRINDELLI, ISABEAU; CEDRONE, RENATA MODERN GEOMETRY VERSUS MODERN ARCHITECTURE. *IMAGINE MATH*, 105–115, SPRINGER, MILAN, 2012.
27. BIRINDELLI, I.; DEMENGEL, F. REGULARITY FOR RADIAL SOLUTIONS OF DEGENERATE FULLY NONLINEAR EQUATIONS. *NONLINEAR ANAL.* 75 (2012), no. 17, 6237–6249.
28. BIRINDELLI, ISABEAU; VALDINOCI, ENRICO ON THE ALLEN-CAHN EQUATION IN THE GRUSHIN PLANE: A MONOTONE ENTIRE SOLUTION THAT IS NOT ONE-DIMENSIONAL. *DISCRETE CONTIN. DYN. SYST.* 29 (2011), no. 3, 823–838.
29. DEMENGEL, F.; BIRINDELLI, I. ONE-DIMENSIONAL SYMMETRY FOR SOLUTIONS OF ALLEN CAHN FULLY NONLINEAR EQUATIONS. *SYMMETRY FOR ELLIPTIC PDES*, 1–15, *CONTEMP. MATH.*, 528, AMER. MATH. SOC., PROVIDENCE, RI, 2010.
30. BIRINDELLI, I.; DEMENGEL, F. EIGENFUNCTIONS FOR SINGULAR FULLY NONLINEAR EQUATIONS IN UNBOUNDED DOMAINS. *NODEA NONLINEAR DIFFERENTIAL EQUATIONS APPL.* 17 (2010), no. 6, 697–714.
31. BIRINDELLI, I.; DEMENGEL, F. REGULARITY AND UNIQUENESS OF THE FIRST EIGENFUNCTION FOR SINGULAR FULLY NONLINEAR OPERATORS. *J. DIFFERENTIAL EQUATIONS* 249 (2010), no. 5, 1089–1110.
32. BIRINDELLI, ISABEAU; PATRIZI, STEFANIA A NEUMANN EIGENVALUE PROBLEM FOR FULLY NONLINEAR OPERATORS. *DISCRETE CONTIN. DYN. SYST.* 28 (2010), no. 2, 845–863.
33. BIRINDELLI, ISABEAU; FERRARI, FAUSTO; VALDINOCI, ENRICO SEMILINEAR PDES IN THE HEISENBERG GROUP: THE ROLE OF THE RIGHT INVARIANT VECTOR FIELDS. *NONLINEAR ANAL.* 72 (2010), no. 2, 987–997.
34. BIRINDELLI, I.; DEMENGEL, F. UNIQUENESS OF THE FIRST EIGENFUNCTION FOR FULLY NONLINEAR EQUATIONS: THE RADIAL CASE. *Z. ANAL. ANWEND.* 29 (2010), no. 1, 77–90.
35. BIRINDELLI, ISABEAU; MAZZEO, RAFFAEL SYMMETRY FOR SOLUTIONS OF TWO-PHASE SEMILINEAR ELLIPTIC EQUATIONS ON HYPERBOLIC SPACE. *INDIANA UNIV. MATH. J.* 58 (2009), no. 5, 2347–2368.
36. BIRINDELLI, I.; DEMENGEL, F. EIGENVALUE AND DIRICHLET PROBLEM FOR FULLY-NONLINEAR OPERATORS IN NON-SMOOTH DOMAINS. *J. MATH. ANAL. APPL.* 352 (2009), no. 2, 822–835.
37. BIRINDELLI, ISABEAU; DEMENGEL, FRANÇOISE BIFURCATION FOR SINGULAR FULLY NONLINEAR EQUATIONS. *ON THE NOTIONS OF SOLUTION TO NONLINEAR ELLIPTIC PROBLEMS: RESULTS AND DEVELOPMENTS*, 117–144, *QUAD. MAT.*, 23, DEPT. MATH., SECONDA UNIV. NAPOLI, CASERTA, 2008.
38. BIRINDELLI, ISABEAU; VALDINOCI, ENRICO THE GINZBURG-LANDAU EQUATION IN THE HEISENBERG GROUP. *COMMUN. CONTEMP. MATH.* 10 (2008), no. 5, 671–719.
39. BIRINDELLI, ISABEAU; DEMENGEL, FRANÇOISE THE DIRICHLET PROBLEM FOR SINGULAR FULLY NONLINEAR OPERATORS. *DISCRETE CONTIN. DYN. SYST. 2007, DYNAMICAL SYSTEMS AND DIFFERENTIAL EQUATIONS. PROCEEDINGS OF THE 6TH AIMS INTERNATIONAL CONFERENCE*, SUPPL., 110–121. ISBN: 978-1-60133-010-9; 1-60133-010-3
40. BIRINDELLI, ISABEAU; STROFFOLINI, BIANCA EXISTENCE THEOREMS FOR FULLY NONLINEAR EQUATIONS IN THE HEISENBERG GROUP. *SUBELLIPTIC PDE'S AND APPLICATIONS TO GEOMETRY AND FINANCE*, 49–55, *LECT. NOTES SEMIN. INTERDISCIP. MAT.*, 6, SEMIN. INTERDISCIP. MAT. (S.I.M.), POTENZA, 2007.

41. BIRINDELLI, I.; DEMENGEL, F. EIGENVALUE, MAXIMUM PRINCIPLE AND REGULARITY FOR FULLY NON LINEAR HOMOGENEOUS OPERATORS. *COMMUN. PURE APPL. ANAL.* 6 (2007), no. 2, 335–366.
42. BIRINDELLI, ISABEAU; DEMENGEL, FRANÇOISE FIRST EIGENVALUE AND MAXIMUM PRINCIPLE FOR FULLY NONLINEAR SINGULAR OPERATORS. *ADV. DIFFERENTIAL EQUATIONS* 11 (2006), no. 1, 91–119.
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44. BIRINDELLI, ISABEAU; DEMENGEL, FRANÇOISE EXISTENCE OF SOLUTIONS FOR SEMI-LINEAR EQUATIONS INVOLVING THE P-LAPLACIAN: THE NON COERCIVE CASE. *CALC. VAR. PARTIAL DIFFERENTIAL EQUATIONS* 20 (2004), no. 4, 343–366.
45. BIRINDELLI, I.; LANCONELLI, E. A NEGATIVE ANSWER TO A ONE-DIMENSIONAL SYMMETRY PROBLEM IN THE HEISENBERG GROUP. *CALC. VAR. PARTIAL DIFFERENTIAL EQUATIONS* 18 (2003), no. 4, 357–372.
46. BIRINDELLI, I.; WIGNIOLLE, J. HOMOGENIZATION OF HAMILTON-JACOBI EQUATIONS IN THE HEISENBERG GROUP. *COMMUN. PURE APPL. ANAL.* 2 (2003), no. 4, 461–479.
47. BIRINDELLI, ISABEAU; DEMENGEL, FRANÇOISE SUR LES ÉQUATIONS DE LANE-EMDEN AVEC OPÉRATEURS NON LINÉAIRES. (FRENCH) [LANE-EMDEN EQUATIONS WITH FULLY NONLINEAR OPERATORS] *C. R. MATH. ACAD. SCI. PARIS* 336 (2003), no. 9, 725–730.
48. BIRINDELLI, ISABEAU SUPERHARMONIC FUNCTIONS IN THE HEISENBERG GROUP: ESTIMATES AND LIOUVILLE THEOREMS. *NODEA NONLINEAR DIFFERENTIAL EQUATIONS APPL.* 10 (2003), no. 2, 171–185.
49. BIRINDELLI, ISABEAU; DEMENGEL, FRANÇOISE SOME LIOUVILLE THEOREMS FOR THE P-LAPLACIAN. *PROCEEDINGS OF THE 2001 LUMINY CONFERENCE ON QUASILINEAR ELLIPTIC AND PARABOLIC EQUATIONS AND SYSTEM*, 35–46, *ELECTRON. J. DIFFER. EQU. CONF.*, 8, SOUTHWEST TEXAS STATE UNIV., SAN MARCOS, TX, 2002.
50. BIRINDELLI, ISABEAU; LANCONELLI, ERMANNINO A NOTE ON ONE DIMENSIONAL SYMMETRY IN CARNOT GROUPS. *ATTI ACCAD. NAZ. LINCEI CL. SCI. FIS. MAT. NATUR. REND. LINCEI* (9) MAT. APPL. 13 (2002), no. 1, 17–22.
51. BIRINDELLI, I.; PRAJAPAT, J. MONOTONICITY AND SYMMETRY RESULTS FOR DEGENERATE ELLIPTIC EQUATIONS ON NILPOTENT LIE GROUPS. *PACIFIC J. MATH.* 204 (2002), no. 1, 1–17.
52. BIRINDELLI, ISABEAU; DEMENGEL, FRANÇOISE ON SOME PARTIAL DIFFERENTIAL EQUATION FOR NON COERCIVE FUNCTIONAL AND CRITICAL SOBOLEV EXPONENT. *DIFFERENTIAL INTEGRAL EQUATIONS* 15 (2002), no. 7, 823–837.
53. BIRINDELLI, ISABEAU; PRAJAPAT, JYOTSHANA ONE-DIMENSIONAL SYMMETRY IN THE HEISENBERG GROUP. *ANN. SCUOLA NORM. SUP. PISA CL. SCI.* (4) 30 (2001), no. 2, 269–284.
54. BIRINDELLI, ISABEAU; CAPUZZO DOLCETTA, ITALO MORSE INDEX AND LIOUVILLE PROPERTY FOR SUPERLINEAR ELLIPTIC EQUATIONS ON THE HEISENBERG GROUP. *CONTRIBUTIONS IN HONOR OF THE MEMORY OF ENNIO DE GIORGI (ITALIAN)*. *RICERCHE MAT.* 49 (2000), SUPPL., 1–15.
55. BIRINDELLI, ISABEAU; GIACOMONI, JACQUES BIFURCATION PROBLEMS FOR SUPERLINEAR ELLIPTIC INDEFINITE EQUATIONS. *TOPOL. METHODS NONLINEAR ANAL.* 16 (2000), no. 1, 17–36.
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57. BIRINDELLI, I.; PRAJAPAT, J. NONLINEAR LIOUVILLE THEOREMS IN THE HEISENBERG GROUP VIA THE MOVING PLANE METHOD. *COMM. PARTIAL DIFFERENTIAL EQUATIONS* 24 (1999), no. 9-10, 1875–1890.
58. BIRINDELLI, ISABEAU; MITIDIERI, ENZO LIOUVILLE THEOREMS FOR ELLIPTIC INEQUALITIES AND APPLICATIONS. *PROC. ROY. SOC. EDINBURGH SECT. A* 128 (1998), no. 6, 1217–1247.
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60. BIRINDELLI, I.; CAPUZZO DOLCETTA, I.; CUTRÌ, A. INDEFINITE SEMI-LINEAR EQUATIONS ON THE HEISENBERG GROUP: A PRIORI BOUNDS AND EXISTENCE. *COMM. PARTIAL DIFFERENTIAL EQUATIONS* 23 (1998), no. 7-8, 1123–1157.
61. BIRINDELLI, ISABEAU NONLINEAR LIOUVILLE THEOREMS. *REACTION DIFFUSION SYSTEMS (TRIESTE, 1995)*, 37–50, *LECTURE NOTES IN PURE AND APPL. MATH.*, 194, DEKKER, NEW YORK, 1998.
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63. BIRINDELLI, ISABEAU PERIODIC SOLUTIONS FOR A CLASS OF SECOND ORDER SYSTEMS WITH A SMALL FORCING TERM. *NONLINEAR ANAL.* 27 (1996), no. 3, 261–270.
64. BIRINDELLI, ISABEAU; CUTRÌ, ALESSANDRA A SEMI-LINEAR PROBLEM FOR THE HEISENBERG LAPLACIAN. *REND. SEM. MAT. UNIV. PADOVA* 94 (1995), 137–153.
65. BIRINDELLI, ISABEAU HOPF'S LEMMA AND ANTI-MAXIMUM PRINCIPLE IN GENERAL DOMAINS. *J. DIFFERENTIAL EQUATIONS* 119 (1995), no. 2, 450–472.
66. BIRINDELLI, I.; VIVALDI, M. A. NONLINEAR TWO-OBSTACLE PROBLEMS: POINTWISE REGULARITY. *REND. MAT. APPL.* (7) 14 (1994), no. 3, 415–455.
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