



UNIVERSITÀ DI PISA

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San Giuliano Terme, 08/02/2021

Relazione triennale - triennio 2018/20.

Partecipazione a progetti di ricerca/ finanziamenti

1. Progetto PRA, PRA-2018-5 "Spazi di moduli, rappresentazioni e strutture combinatorie" (R. Pardini)
2. Progetto PRIN 2017SSNZAW-004 "Moduli Theory and Birational Classification" (L. Caporaso / R. Pardini)

Attività seminariale

1. Seminario "Jet Schemes Ideals of Pfaffians"
Workshop "The 15th Seminar on Commutative Algebra and Related Topics", January 16-17, 2019,
School of Mathematics, IPM, Tehran, Iran
<http://math.ipm.ac.ir/conferences/2019/15thCommalg/Seminar>
2. Corso di tre lezioni
"Generic Initial Ideals and Local Cohomology Tables"
Workshop "The 15th Seminar on Commutative Algebra and Related Topics", January 12-14, 2019,
School of Mathematics, IPM, Tehran, Iran
<http://math.ipm.ac.ir/conferences/2019/15thCommalg>
3. Seminario "Jet Schemes and determinantal varieties",
Seminari de Geometria Algebraica UB-UPC-UAB,
IMUB, 13/04/2018, Barcellona, Spagna
<https://mat.upc.edu/ca/activitats/seminari/enrico.sbarra>

Pubblicazioni

1. E. De Negri and E. Sbarra. On jet schemes of Pfaffian ideals. *Colloctanea Mathematica* (2019) 70:479-491.
doi:[10.1007/s13348-019-00242-9](https://doi.org/10.1007/s13348-019-00242-9)

Preprint

1. G. Caviglia, A. De Stefani and E. Sbarra. The EGH Conjecture. Preprint 2020.

Partecipazione a conferenze

1. Workshop “ The 15th Seminar on Commutative Algebra and Related Topics”, January 12-14, 2019,
School of Mathematics, IPM, Tehran, Iran
<http://math.ipm.ac.ir/conferences/2019/15thCommalg>
2. Gedenkkolloquium für Uwe Storch,
31/10/2018, Ruhr-Universität Bochum, Bochum, Germania.
<https://www.ruhr-uni-bochum.de/ffm/Bilder/GedenkkolloquiumStorch.png>

Attività didattica

1. I semestre, 2020/2021
Algebra Superiore A, 6CFU, LM in Matematica
2. II semestre, 2019/2020
Algebra 2, 6CFU, LT/LM in Matematica
3. II semestre, 2019/2020
Algebra Superiore A, 6CFU, LM in Matematica
4. II semestre, 2018/2019
Algebra 2, 6CFU, LT/LM in Matematica
5. I e II semestre, 2018/2019
Analisi Matematica 1, 12CFU, LT in Ing. Aerospaziale
6. II semestre, 2017/2018
Algebra 2, 6CFU, LT/LM in Matematica
7. I e II semestre, 2017/2018
Analisi Matematica 1, 12CFU, LT in Ing. Aerospaziale

Attività di servizio

1. Relatore di 4 tesi triennali e 1 tesi magistrale.
2. Organizzazione dei seminari di Algebra
 - (a) 14/05/2019
Alessandro De Stefani, Università di Genova
“Decomposition of graded local cohomology tables”
 - (b) 08/03/2019
Mina Bigdeli, Institute for Research in Fundamental Sciences (IPM), Tehran, Iran
“Decomposable clutters and a generalization of Simon’s Conjecture”
 - (c) 03/12/2018
Lê Tuân Hoa, Institute of Mathematics Hanoi (IMH), Vietnam Academy of Sciences and Technology
“Powers of Monomial Ideals and Combinatorics”