Young Researchers Seminar

feb 25 - ago 24, 2020

martedì feb 25, 2020

Tutto il giorno	**Venue - Sapienza**
	• **Calendario** Sapienza

10:00am - 11:05am — **MAGLIOCCA Martina - Mathematical Analysis**

• **Calendario** Sapienza

A survey on fully nonlinear parabolic problems and viscosity solutions

The main purpose of this talk is giving an overview on the notion of viscosity solutions and fully nonlinear operators. We will see the background in which viscosity solutions have born and some of their properties. We will also discuss some of the most common techniques related to the viscosity setting, such as the Perron method. We will then focus on the fully nonlinear parabolic setting with superlinear lower order terms of first order. Beyond discussing existence and regularity results, we will also compare the difficulties of having powers of the gradient as source terms in the viscosity and in the weak framework.We will finally analyze the behavior of the fully nonlinear parabolic problem in object for large time. To this aim, we will introduce the related stationary and the ergodic problems.

11:25am - 12:30pm — **MUSTAFA Andam - Algebra**

• **Calendario** Roma Tre

Density related with groups of rational numbers

I will talk about extending the partial results that already appeared in the literate regarding the densities of particular sets of primes to general setup. The ultimate goal of the presentation is to characterise subgroups of the rationals for which the above densities vanish under the assumption of the generalized Riemann hypothesis.

martedì mar 10, 2020

Tutto il giorno	**Venue - Tor Vergata**
	• **Calendario** Tor Vergata

10:00am - 11:05am — **GIANNONE Marco Valerio - Mathematical Physics**

• **Calendario** Sapienza

11:25am - 12:30pm — **LEONELLI Francesca Elisa - Mathematical Physics**

• **Calendario** Sapienza

TBA

martedì mar 24, 2020

Tutto il giorno	**Venue - Roma Tre**
	• **Calendario** Roma Tre

10:00am - 11:05am — **CHEN Liang - Fisica Matematica**

• **Calendario** Tor Vergata

11:25am - 12:30pm — **MANCINI Gabriele - Mathematical Analysis**

• **Calendario** SBAI

TBA

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martedì apr 7, 2020

Tutto il giorno	**Venue - Sapienza**
	• **Calendario** Sapienza
10:00am - 11:05am	**PESARE Andrea - Numerical Analysis**
	• **Calendario** Sapienza
10:00am - 11:05am	**ADAMO Maria Stella - Mathematical Analysis**
	• **Calendario** Tor Vergata

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martedì apr 21, 2020

Tutto il giorno	**Venue - Tor Vergata**
	• **Calendario** Tor Vergata
10:00am - 11:05am	**JAIN Sakshi - Analisi Matematica**
	• **Calendario** Tor Vergata
11:25am - 12:30pm	**APOLLONIO Valentina - Mathematical Physics**
	• **Calendario** Roma Tre

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martedì mag 5, 2020

Tutto il giorno	**Venue - Roma Tre**
	• **Calendario** Roma Tre
10:00am - 11:05am	**PANEBIANCO Lorenzo - Mathematical Analysis**
	• **Calendario** Sapienza
11:25am - 12:30pm	**ALBERINI Carlo - Mathematical Analysis**
	• **Calendario** SBAI

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martedì mag 19, 2020

Tutto il giorno	**Venue - Sapienza**
	• **Calendario** Sapienza
10:00am - 11:05am	**RISA Susanna - Geometry**
	• **Calendario** Tor Vergata
11:25am - 12:30pm	**FAGIOLI Filippo - Geometry**
	• **Calendario** Sapienza

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martedì giu 9, 2020

| Tutto il giorno | **Venue - Tor Vergata** |
| | • **Calendario** Tor Vergata |