

1st FGC—IPM Joint Number Theory Meeting

- Program -

15 March, 2021 (local time UTC/GMT+3)

Morning session:

09:20—09:30 Nihat Sadık DEĞER: *Opening remarks.*

09:30—10:30 Mohammad Hadi HEDAYATZADEH: *The generic fibre of the exterior power morphism on the Lubin-Tate tower.*

10:30—10:45 Discussion and virtual coffee/tea break.

10:45—11:45 Ekin ÖZMAN: *Modular curves, rational points, Diophantine equations.*

11:45—12:00 Discussion and virtual coffee/tea break.

Afternoon session:

13:00—14:00 Simon HÄBERLI: *Satake compactification of analytic Drinfeld modular varieties.*

14:00—14:15 Discussion and virtual coffee/tea break.

14:15—15:15 Yasemin KARA: *Solving Fermat type equations via modular approach.*

15:15—15:30 Discussion and virtual coffee/tea break.

15:30—16:30 Ali MOHAMMADI: *Points on polynomial curves in small boxes modulo an integer.*

16:30—16:45 Discussion and virtual coffee/tea break.

16 March, 2021 (local time UTC/GMT+3)

Morning session:

09:30—10:30 Alp BASSA: *Rational points on curves over finite fields and their asymptotic.*

10:30—10:45 Discussion and virtual coffee/tea break.

10:45—11:45 Esmail ARASTEH RAD: *Zeta-function for the moduli of G -shtukas.*

11:45—12:00 Discussion and virtual coffee/tea break.

Afternoon session:

13:00—14:00 Ali RAJAEI: *Some “small” class number problems.*

14:00—14:15 Discussion and virtual coffee/tea break.

14:15—15:15 Kâzım İlhan İKEDA: *On the reciprocity and functoriality principles of Langlands.*

15:15—15:30 Discussion and virtual coffee/tea break.

15:30—16:30 Mahdi ASGARI: *Combinatorics of the Arthur Trace Formula.*

16:30—16:45 Discussion and virtual coffee/tea break.

17 March, 2021 (local time UTC/GMT+3)

Morning session:

10:00—11:00 Susumu TANABÉ: *Monodromy of GKZ Hypergeometric functions and homological mirror symmetry.*

11:00—11:15 Discussion and virtual coffee/tea break.

11:15—12:15 Farzad ARYAN: *Higher moments of distribution of zeta zeros.*

12:15—12:30 Discussion and virtual coffee/tea break.

Afternoon session:

13:30—14:30 Deniz Ali KAPTAN: *Small gaps in primes: from GPY to Maynard-Tao.*

14:30—14:45 Discussion and virtual coffee/tea break.

14:45—15:00 Closing remarks.

[End of the meeting]