1100-20-1 **Nir Avni*** (`avni.nir@gmail.com`). *Special values of representation zeta functions.*
I will talk about connections between:

1. Counting representations of arithmetic lattices (for example, $SL_n(\mathbb{Z})$).

2. Distribution of commutators in some compact groups (for example, $SL_n(\mathbb{Z}_p)$.

3. The singularities of (complex) character varieties (for example, the variety $Hom(\pi_1(\Sigma), SL_n(\mathbb{C}))/SL_n(\mathbb{C}))$.

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