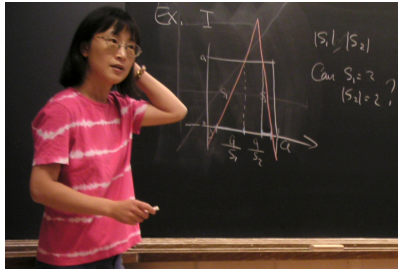


Complex dynamics and quasi-conformal geometry.



Contribution ID: 16

Type: not specified

On combinatorial types of Cycles under z^d

Wednesday, October 25, 2017 9:00 AM (55 minutes)

The talk is based on joint work with Saeed Zakeri. Rotation sets for z^d , sets on which z^d is topologically conjugate to a rigid rotation, are well studied in the literature. Much less is known about periodic orbits of other types of combinatorics.

To be precise by a combinatorics (of period q) we mean a dynamics on $0 < x_1 < x_2 < \dots < x_q < 1 \in$

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fixing $0 \equiv 1$ and which acts as a permutation of order q on the x_i .

Which combinatorics are realized under z^d ? In how many distinct ways is a given combinatorics realized?

How does this number depend on the degree d ?

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