

Title: Random Beltrami equation and distortion.

Speaker: Xiong Jin

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Abstract

First I will talk about the connections between the coefficient problems of univalent functions, the universal spectrum conjecture and the dimension distortion of quasiconformal mappings. Then I will introduce a class of random Beltrami coefficients, and show that this class of Beltrami coefficients might be possible to provide an example of quasisymmetric mappings that yields the sharpness of the quasisymmetric distortion theorem.