

İSTANBUL ANALYSIS SEMINARS

DYNAMIC RAYS AND LANDING BEHAVIORS

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Abstract: Dynamic rays are curves consisting of points which escape to infinity under forward iterates. Understanding the landing behaviors of dynamic rays is essential in the study of the topological structure of the Julia set. In this talk, we present a landing theorem for periodic dynamic rays for transcendental entire maps which have bounded post singular sets. Our main tools are contraction principles in hyperbolic geometry.

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