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Uniform Convergence and Boundary Denjoy-Wolff Points. Preliminary report.

When an analytic function (not the identity or an elliptic automorphism) from the complex unit disk to itself is iterated (i.e. composed with itself), the sequences of iterates will converge to a point in the closed unit disk. This point is known as the Denjoy-Wolff point. In this talk, we examine the necessary and sufficient conditions for which an analytic functions converges uniformly on the whole disk to a boundary Denjoy-Wolff point. (Received September 25, 2018)