

Our talk is motivated by a question posed by Peter Jones asking whether every Blaschke product can be uniformly approximated by interpolating Blaschke products. The answer to this question, if positive, would require a construction that controls the separation of the zeros of the Blaschke product. The answer to this question, if negative, would require finding a Blaschke product with such bad properties that it cannot be approximated. This talk focuses on two constructions of Blaschke products, one constructed with the intent of showing that the solution to the approximation is positive and the second constructed with the intent of showing that the solution to the approximation problem is negative. The first construction is joint work with David Farmer and the second with Eva A. Gallardo-Gutiérrez.