APPROXIMATING INNER FUNCTIONS

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Abstract. It follows from a well known theorem of Otto Frostman that inner functions can be uniformly approximated by Blaschke products. Whether the same can be done with interpolating Blaschke products is an open question, that has received interest for more than 25 years.

I will highlight some of the work done on this problem, and in particular explain a construction where we prove that the modulus of inner functions can be uniformly approximated by the modulus of interpolating Blaschke products.

(Joint work with Artur Nicolau)