



**RED TEMÁTICA**

de variable compleja  
y teoría de operadores

Open Problem

## APPROXIMATION BY INTERPOLATING BLASCHKE PRODUCTS

ARTUR NICOLAU

An interpolating Blaschke product is a Blaschke product whose zero set is an interpolating sequence for the algebra  $H^\infty$  of bounded analytic functions in the unit disc. The following open problem is mentioned in [1].

Question 1. Can every Blaschke product be uniformly approximated in the unit disc by an interpolating Blaschke product?

The following weak version is also open.

Question 2. Can every Blaschke product be uniformly approximated in the unit disc by a bounded analytic function whose zero set form an interpolating sequence for  $H^\infty$ ?

### REFERENCES

- [1] J. Garnett, Bounded Analytic Functions, Academic Press, 1981.

*E-mail address:* `artur@mat.uab.cat`

UNIVERSITAT AUTÒNOMA DE BARCELONA