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Inner functions and cyclic vectors in the Bloch space. (English) Zbl 0768.46003

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Summary: We construct a singular inner function whose polynomial multiples are dense in the little Bloch space \mathcal{B}_0 . To do this we construct a singular measure on the unit circle with “best possible” control of both the first and second differences.

MSC:

46E15 Banach spaces of continuous, differentiable or analytic functions
30H05 Spaces of bounded analytic functions of one complex variable
46J15 Banach algebras of differentiable or analytic functions, H^p -spaces

Cited in 8 Documents

Keywords:

singular inner function; polynomial multiples; dense in the little Bloch space; singular measure on the unit circle

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