



ЮЖНЫЙ ФЕДЕРАЛЬНЫЙ УНИВЕРСИТЕТ  
Региональный математический центр  
SOUTHERN FEDERAL UNIVERSITY  
Regional Mathematical Center  
<https://rmc.sfedu.ru/>, Rostov-on-Don, Russia

International scientific online seminar on  
Analysis, Differential Equations and Mathematical Physics

Coordinators: Prof. Alexey Karapetyants, Prof. Vladislav Kravchenko

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27 May 2021, 6 pm (GMT+3)

Fewnomials in  $L^1$  and their geometry

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Let  $\Lambda$  be a finite set of nonnegative integers, and let  $\mathcal{P}(\Lambda)$  be the linear hull of the monomials  $z^k$  with  $k \in \Lambda$ , viewed as a subspace of  $L^1$  on the unit circle. We characterize the extreme and exposed points of the unit ball in  $\mathcal{P}(\Lambda)$ .

\*Seminar website: <https://rmc.sfedu.ru/seminar>. The seminar uses Microsoft Teams online platform. Please send questions to [pichugina@sfedu.ru](mailto:pichugina@sfedu.ru) (Olga Pichugina, scientific secretary).

The seminar is organized by the Regional Mathematical Center of the Southern Federal University in collaboration with Institute of Mathematics, Mechanics and Computer Sciences of the Southern Federal University and the special Interest ISAAC-OTHA group in Operator Theory and Harmonic Analysis.

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