

PhD research topic proposal
BME, Doctoral School of Mathematics and Computer Science

Name of supervisor :

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Degree:

Doctor of MTA

Title of the topic:

Faber theorem and some of its generalizations

Short description:

In 1914 G. Faber proved that there is no interpolatory pointsystem in $I = [-1, 1]$ (say) for which the Lagrange interpolation polynomials uniformly converge for every f from C (= the set of the continuous functions on I).

A nice generalization was given by A.I. Privalov considering K subspaces of C with codimension k .

Our topic: Further investigation on this area.

Requirements:

In addition to English, understanding of Russian mathematical text is required.

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Place of work:

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