

GRUP DE CERCETARE

Teoria punctelor fixe si aplicații

Anul înființării: 2019

Coordonator: prof.dr. Ovidiu Popescu

Membrii grupului:

1. Prof. dr. Miculescu Radu
2. Conf. dr. Fulga Andreea
3. Conf. dr. Stan Gabriel
4. Lect. dr. Proca Alexandrina
5. Lect. dr. Nepotu Gabriel
6. Asist. Drd. Pacurar Cristina

Grupul de cercetare *Teoria punctelor fixe si aplicații* se axează pe cercetare fundamentală, aplicativă și interdisciplinară în următoarele domenii: Topologie generală, Teoria operatorilor, Sisteme dinamice etc.

Printre temele de interes pentru grupul de cercetare se numără:

1. Noi teoreme de punct fix și de coincidență;
2. Aplicații ale teoriei punctelor fixe la teoria operatorilor;
3. Metode operatoriale (teoria punctului fix, teoria punctului critic, teoria punctelor de coincidență, teorie spectrală) pentru ecuații și sisteme de ecuații neliniare;
4. Sisteme iterative de funcții;

5. Aplicarea rezultatelor abstracte obținute în variate probleme ale lumii reale.

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