

Departamentul de Matematică & Informatică

Conferențiar universitar, poziția 9, disciplinele: Mathematical Analysis; Linear Algebra.
Domeniul științific: Matematică.

Tematică:

Series of numbers; Sequences of functions; Power series; Taylor formulas; Continuity for functions of several variables; Partial derivatives and the differential; Partial derivatives of composite functions; Local extrema; Implicit functions; Constrained extrema. Vector spaces; Linear transformations; Eigenvectors and eigenvalues; Bilinear forms; Quadratic forms; Free vectors; Straight lines and Planes in space; Transformations of coordinate systems.

Bibliografie:

- [1] P. Flondor, M. Olteanu: *Calculus I* (Theory, worked-out examples, exercises), disponibilă electronic la adresa <http://www.mathem.pub.ro/div/-/Flondor-Olteanu-Calculus1.pdf>
- [2] C. Udriște, I. Boca: *Linear Algebra*, Geometry Balkan Press, 2000, disponibilă electronic la adresa <http://www.mathem.pub.ro/dgds/mono/D-02-Udr.pdf>